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 5.N 10/018 97/ to wercome 20 April 2001

VAR G1=O/S/N
VAR G2=O/N/S
VAR G3=O/S/N
REP G4=(1-10) CH2
ENTER (DIS), GRA, NOD, BON OR ?:end
L1 STRUCTURE CREATED

=> save temp l1 ENTER NAME OR (END):snl0018971,dis SNl0018971,DIS IS NOT A VALID SAVED NAME Enter the name you wish to use for the saved query, answer set, or L-number list. The name must:

- 1. Begin with a letter,
- 2. Have 1-12 characters,
- 3. Contain only letters (A-Z) and numbers (0-9),
- End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L-number list.
- 5. Not already be in use as a saved name,
- 6. Not be END, SAV, SAVE, SAVED
- 7. Not have the form of an L-number (Lnnn). ENTER NAME OR (END):sn10018971/q QUERY L1 HAS BEEN SAVED AS 'SN10018971/Q'

=> search l1 sss full FULL SEARCH INITIATED 16:50:38 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 88619 TO ITERATE

100.0% PROCESSED 88619 ITERATIONS SEARCH TIME: 00.00.02

118 ANSWERS

SEARCH TIME: 00.00.02

L2 118 SEA SSS FUL L1

=> dis 12 1- sub bib YOU HAVE REQUESTED DATA FROM 118 ANSWERS - CONTINUE? Y/(N):y

- L2 ANSWER 1 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 601522-10-5 REGISTRY
- CN Phosphoric acid, (4-ethenylphenyl) methyl diphenyl ester, polymer with 1-(chloromethyl)-4-ethenylbenzene and ethenylbenzene, compd. with

```
N, N-dimethyl-1-hexadecanamine (9CI) (CA INDEX NAME)
     (C21 H19 O4 P . C9 H9 Cl . C8 H8)x . x C18 H39 N
MF
     Polystyrene
PCT
SR
     CA
                   CA, CAPLUS
     STN Files:
LC
     CM
           1
           112-69-6
     CRN
     CMF
           C18 H39 N
Me_2N^-(CH_2)_{15}^-Me
     CM
           2
     CRN
           601522-09-2
           (C21 H19 O4 P . C9 H9 Cl . C8 H8) x
     \mathtt{CMF}
     CCI
           PMS
           CM
                3
           CRN
                601522-04-7
                C21 H19 O4 P
           CMF
                       CH = CH_2
     OPh
           CM
```

CH=CH₂

CRN

CMF

1592-20-7

C9 H9 Cl

CM 5

CRN 100-42-5 CMF C8 H8

 $H_2C = CH - Ph$

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 139:261884 CA

TI Flame retardancy of polystyrene nanocomposites based on an oligomeric organically-modified clay containing phosphate

```
ΑU
     Zheng, Xiaoxia; Wilkie, Charles A.
CS
     Department of Chemistry, Marquette University, Milwaukee, WI, 53233, USA
     Polymer Degradation and Stability (2003), 81(3), 539-550
SO
     CODEN: PDSTDW; ISSN: 0141-3910
PB
     Elsevier Science B.V.
DT
     Journal
     English
LA
              THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 17
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 2 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
RN
     601522-09-2 REGISTRY
     Phosphoric acid, (4-ethenylphenyl) methyl diphenyl ester, polymer with
CN
     1-(chloromethyl)-4-ethenylbenzene and ethenylbenzene (9CI) (CA INDEX
     (C21 H19 O4 P . C9 H9 Cl . C8 H8)x
MF
CI
     PMS, COM
PCT
     Polystyrene
SR
     CA
     CM
          1
     CRN
          601522-04-7
     CMF
          C21 H19 O4 P
                      CH = CH_2
PhO- P-0-
         -CH2
     OPh
          2
     CM
     CRN
          1592-20-7
     CMF
          C9 H9 Cl
             CH = CH_2
ClCH<sub>2</sub>
     CM
          3
     CRN
          100-42-5
     CMF
          C8 H8
H_2C = CH - Ph
L2
     ANSWER 3 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     601522-04-7 REGISTRY
CN
     Phosphoric acid, (4-ethenylphenyl) methyl diphenyl ester (9CI) (CA INDEX
     NAME)
FS
     3D CONCORD
MF
     C21 H19 O4 P
CI
     COM
```

SR

LC

CA

STN Files:

CA, CAPLUS

$$\begin{array}{c|c} CH = CH_2 \\ \hline O \\ PhO-P-O-CH_2 \\ \hline OPh \end{array}$$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 139:261884 CA
- TI Flame retardancy of polystyrene nanocomposites based on an oligomeric organically-modified clay containing phosphate
- AU Zheng, Xiaoxia; Wilkie, Charles A.
- CS Department of Chemistry, Marquette University, Milwaukee, WI, 53233, USA
- SO Polymer Degradation and Stability (2003), 81(3), 539-550
- CODEN: PDSTDW; ISSN: 0141-3910 PB Elsevier Science B.V.
- DT Journal
- LA English
- RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT.
- L2 ANSWER 4 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 527759-19-9 REGISTRY
- CN Phosphoramidic acid, [(4-ethenylphenyl)methyl]-, diphenyl ester (9CI) (CA INDEX NAME)
- FS 3D CONCORD
- MF C21 H20 N O3 P
- SR CA
- LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 138:385908 CA
- TI Organophosphorus compounds having polymerizable unsaturated bonds
- IN Fujita, Akinori; Wakata, Yuichi
- PA Fuji Photo Film Co., Ltd., Japan
- SO Jpn. Kokai Tokkyo Koho, 8 pp.
 - CODEN: JKXXAF
- DT Patent
- LA Japanese
- FAN.CNT 1
- AN.CNT 1
 PATENT NO.

JP 2003146994 A2 20030521 JP 2001-346937 20011113

PRAI JP 2001-346937 20011113

ANSWER 5 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

RN 519040-35-8 REGISTRY

Phosphoramidic acid, [3-[[(diphenoxyphosphinyl)amino]methyl]-3,5,5-CN trimethylcyclohexyl]-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

C34 H40 N2 O6 P2 MF

SR CA

LCSTN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:369701 CA

TI Thermally stable fireproofing phosphoramides, their manufacture, and fire-resistant resin compositions containing them

Onchi, Yoko; Takahashi, Ikuo; Imanishi, Shinichiro

Daicel Chemical Industries, Ltd., Japan PA

Jpn. Kokai Tokkyo Koho, 12 pp. SO

CODEN: JKXXAF

Patent

LA Japanese

FAN.CNT 1

IN

DT

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE _ _ _ _ -----A2 JP 2003128685 20030508 JP 2001-329213 20011026

PRAI JP 2001-329213 20011026

ANSWER 6 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

476371-36-5 REGISTRY RN

CN Phosphoric acid, [4-[[[bis(2,6-dimethylphenoxy)phosphinyl]oxy]methyl]cyclo hexyl]methyl 2,6-dimethylphenyl [4-(hydroxymethyl)cyclohexyl]methyl ester (9CI) (CA INDEX NAME)

C40 H56 O9 P2 MF

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c} \text{CH}_2-\text{OH} \\ \\ \text{CH}_2 \\ \\ \text{O} \\ \\ \text{$$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002338826	A2	20021127	JP 2001-153171	20010522

PRAI JP 2001-153171 20010522

L2 ANSWER 7 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-35-4 REGISTRY

CN Phosphoric acid, bis[[4-[[[bis(2,6-dimethylphenoxy)phosphinyl]oxy]methyl]c yclohexyl]methyl] 2,6-dimethylphenyl ester (9CI) (CA INDEX NAME)

MF C56 H73 O12 P3

SR CA

LC STN Files: CA, CAPLUS

PAGE 1-A

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002338826	A2	20021127	JP 2001-153171	20010522

PRAI JP 2001-153171 20010522

L2 ANSWER 8 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-34-3 REGISTRY

CN Phosphoric acid, bis(2,6-dimethylphenyl) [4-(hydroxymethyl)cyclohexyl]meth yl ester (9CI) (CA INDEX NAME)

MF C24 H33 O5 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets

therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

Patent

LA Japanese

FAN.CNT 1

DT

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 2002338826 A2 20021127 JP 2001-153171 20010522

PRAI JP 2001-153171 20010522

L2 ANSWER 9 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-33-2 REGISTRY

CN Phosphoric acid, 1,4-cyclohexanediylbis(methylene) tetrakis(2,6-

dimethylphenyl) ester (9CI) (CA INDEX NAME)

MF C40 H50 O8 P2

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI JP 2002338826 A2 20021127 JP 2001-153171 20010522

PRAI JP 2001-153171 20010522

L2 ANSWER 10 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-30-9 REGISTRY

CN Phosphoric acid, [4-[[(diphenoxyphosphinyl)oxy]methyl]cyclohexyl]methyl [4-(hydroxymethyl)cyclohexyl]methyl phenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C34 H44 O9 P2

STN Files: CA, CAPLUS

$$\begin{array}{c|c} & \text{OPh} \\ & \text{CH}_2-\text{O-P-O-CH}_2 \\ & \text{O} \\ & \text{CH}_2-\text{O-P-OPh} \\ & \text{OPh} \\ \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN138:5222 CA

ΤI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

Takahashi, Ikuo; Mizumoto, Kiyoharu IN

PΑ Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

Japanese LA

FAN.CNT 1

ΡI

-	TD 0004				
	JP 2002338826	A2	20021127	JP 2001-153171	20010522
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PRAI JP 2001-153171 20010522

ANSWER 11 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

476371-29-6 REGISTRY RN

Phosphoric acid, bis[[4-[[(diphenoxyphosphinyl)oxy]methyl]cyclohexyl]methy CN 1] phenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

C46 H53 O12 P3 MF

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} & \text{OPh} \\ & \text{OPh} \\ & \text{PhO-P-O-CH}_2 \\ & \text{O} \\ & \text{O}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

ΤI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PΑ Daicel Chemical Industries, Ltd., Japan SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2002338826 A2 20021127 JP 2001-153171 20010522

PRAI JP 2001-153171 20010522

L2 ANSWER 12 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-28-5 REGISTRY

CN Phosphoric acid, [4-(hydroxymethyl)cyclohexyl]methyl diphenyl ester (9CI)

(CA INDEX NAME)

FS 3D CONCORD

MF C20 H25 O5 P

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c} \text{CH}_2\text{--}\text{O--}\text{P--}\text{OPh} \\ || \\ \text{OPh} \\ \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets

therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

FS

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2002338826 A2 20021127 JP 2001-153171 20010522

PRAI JP 2001-153171 20010522

L2 ANSWER 13 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-27-4 REGISTRY

CN Phosphoric acid, 1,4-cyclohexanediylbis(methylene) tetraphenyl ester (9CI)

(CA INDEX NAME)

3D CONCORD

MF C32 H34 O8 P2

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} & & \text{OPh} \\ & & \text{CH}_2-\text{O}-\text{P-OPh} \\ & & \text{OPh} \\ & & & \text{OPh} \\ & & \text$$

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN138:5222 CA

Thermoplastic resin compositions, heat sensitive adhesives and sheets TI

therewith

Takahashi, Ikuo; Mizumoto, Kiyoharu

Daicel Chemical Industries, Ltd., Japan PΑ

Jpn. Kokai Tokkyo Koho, 10 pp. SO

CODEN: JKXXAF

DT. Patent

Japanese LA

FAN.CNT 1

IN

ΡI

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2002338826	A2	20021127	JP 2001-153171	20010522
~	TD 0001 150151	20010	F 2 2		

PRAI JP 2001-153171 20010522

L2ANSWER 14 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

474879-12-4 REGISTRY RN

CN Phosphoramidic acid, (phenylmethyl)-, bis[5-methyl-2-(1-

methylethyl)cyclohexyl] ester (9CI) (CA INDEX NAME)

3D CONCORD FS

C27 H46 N O3 P MF

Chemical Library SR

LCSTN Files: CHEMCATS

L2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

$$CH_2-S-P-OPh$$
OPh

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 16 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 406471-98-5 REGISTRY

CN Phosphoramidic acid, (phenylmethyl) -, bis(2,3-dimethylphenyl) ester (9CI)

(CA INDEX NAME)
3D CONCORD

FS 3D CONCORD MF C23 H26 N O3 P

SR Chemical Library

LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 17 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 406471-86-1 REGISTRY

CN Phosphoramidic acid, (phenylmethyl)-, bis(4-chlorophenyl) ester (9CI) (CA

INDEX NAME)

FS 3D CONCORD

MF C19 H16 Cl2 N O3 P

SR Chemical Library

LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

RN397848-74-7 REGISTRY Phosphorothioic acid, S-[2-(4-nitrophenyl)ethyl] 0,0-diphenyl ester (9CI) CN (CA INDEX NAME)

FS 3D CONCORD

MF C20 H18 N O5 P S SR Chemical Library

LC STN Files: CHEMCATS

$$CH_2-CH_2-S-P-OPh$$
 O_2N

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2ANSWER 19 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN382596-16-9 REGISTRY

CN Phosphoramidic acid, [1,3-phenylenebis(methylene)]bis-, tetraphenyl ester (9CI) (CA INDEX NAME)

3D CONCORD FS

MF C32 H30 N2 O6 P2

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} \text{OPh} & \text{OPh} \\ | & \text{PhO-P-NH-CH}_2 \\ | & \text{O} \\ | & \text{O} \\ \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 136:54631 CA

ΤI Halogen-free epoxy resin compositions fireproofed by phosphoric amides

IN Saito, Seiichi; Mori, Takahiro

Asahi Denka Kogyo K. K., Japan PA

SO Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.

KIND DATE APPLICATION NO. DATE

----PΤ JP 2001354836 A2 20011225 JP 2000-177676 20000614

PRAI JP 2000-177676 20000614

ANSWER 20 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

RN 371754-82-4 REGISTRY

CNPhosphoric acid, (3-bromophenyl) methyl diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3-Bromobenzyl diphenyl phosphate

FS 3D CONCORD MF C19 H16 Br O4 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 135:344346 CA

TI Annulation of Aromatic Imines via Directed C-H Activation with Wilkinson's Catalyst

AU Thalji, R. K.; Ahrendt, K. A.; Bergman, R. G.; Ellman, J. A.

CS Center for New Directions in Organic Synthesis Department of Chemistry, University of California, Berkeley, CA, 94720, USA

SO Journal of the American Chemical Society (2001), 123(39), 9692-9693 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 21 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 371159-72-7 REGISTRY

CN Phosphoric acid, [3-[(diphenoxyphosphinyl)oxy]cyclohexyl]methyl diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C31 H32 O8 P2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

$$\begin{array}{c|c} \text{OPh} & \text{OPh} \\ | & | & | \\ \text{PhO-P-O} & \text{CH}_2\text{-O-P-OPh} \\ || & || & || \\ \text{O} & \text{O} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 135:344286 CA

TI Preparation of phosphoric acid triesters as flame retardants, plasticizers, or stabilizers

IN Onchi, Yoko; Takahashi, Ikuo

PA Daicel Chemical Industries, Ltd., Japan

SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DT Patent

```
LA
     Japanese
FAN.CNT 1
                    KIND DATE
     PATENT NO.
                                         APPLICATION NO. DATE
     _____
                    ----
     WO 2001081356
                     A1
                           20011101
                                          WO 2001-JP3423
                                                           20010420
PΙ
        W: CN, JP, KR, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
            PT, SE, TR
     EP 1277758
                           20030122
                                          EP 2001-921971
                                                           20010420
                     A1
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, FI, CY, TR
     TW 523520
                      В
                           20030311
                                          TW 2001-90109890 20010425
     US 2003109736
                                          US 2001-18971
                      A1
                           20030612
                                                          20011226
PRAI JP 2000-125777
                     20000426
     JP 2000-125778
                     20000426
     JP 2000-125779
                     20000426
     JP 2000-247140
                     20000817
     JP 2000-339664
                     20001107
     WO 2001-JP3423
                     20010420
             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
     ANSWER 22 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     371158-68-8 REGISTRY
CN
     Phosphoric acid, [5-[(diphenoxyphosphinyl)oxy]-3,3-
     dimethylcyclohexyl]methyl diphenyl ester (9CI) (CA INDEX NAME)
FS
     3D CONCORD
MF
     C33 H36 O8 P2
SR
     CA
LC
     STN Files: CA, CAPLUS, CASREACT, USPATFULL
                    OPh
    Me
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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 135:344286 CA Preparation of phosphoric acid triesters as flame retardants, ΤI plasticizers, or stabilizers Onchi, Yoko; Takahashi, Ikuo IN PADaicel Chemical Industries, Ltd., Japan SO PCT Int. Appl., 86 pp. CODEN: PIXXD2 DТ Patent LA Japanese FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE -------------------PΙ WO 2001081356 A1 20011101 WO 2001-JP3423 20010420 W: CN, JP, KR, US

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR

EP 1277758 A1 20030122 EP 2001-921971 20010420

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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, FI, CY, TR
    TW 523520
                    В
                           20030311
                                         TW 2001-90109890 20010425
    US 2003109736
                     A1
                           20030612
                                        US 2001-18971 20011226
PRAI JP 2000-125777
                     20000426
    JP 2000-125778
                     20000426
    JP 2000-125779
                     20000426
    JP 2000-247140
                     20000817
    JP 2000-339664
                     20001107
    WO 2001-JP3423
                     20010420
             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
    ANSWER 23 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
    371158-67-7 REGISTRY
RN
    Phosphoric acid, 3-cyclohexen-1-ylmethyl diphenyl ester (9CI)
CN
    3D CONCORD
FS
    C19 H21 O4 P
MF
SR
    CA
LC
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REFERENCE 1
AN
    135:344286 CA
    Preparation of phosphoric acid triesters as flame retardants,
TΤ
    plasticizers, or stabilizers
    Onchi, Yoko; Takahashi, Ikuo
TN
PΑ
    Daicel Chemical Industries, Ltd., Japan
so
    PCT Int. Appl., 86 pp.
    CODEN: PIXXD2
DT
    Patent
LA
    Japanese
FAN.CNT 1
    PATENT NO.
                    KIND DATE
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                     A1
PΙ
    WO 2001081356
                           20011101
                                        WO 2001-JP3423
                                                          20010420
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        RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
            PT, SE, TR
    EP 1277758
                                        EP 2001-921971
                           20030122
                                                          20010420
                     A1
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, FI, CY, TR
    TW 523520
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                     В
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                                        US 2001-18971 20011226
                           20030612
                      A1
PRAI JP 2000-125777
                     20000426
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    JP 2000-247140
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RE.CNT 11
             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
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Phosphoric acid, bicyclo[2.2.1]heptane-2,5-diylbis(methylene) tetraphenyl
CN
     ester (9CI)
                 (CA INDEX NAME)
     3D CONCORD
FS
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MF
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SR
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REFERENCE 1
     135:344286 CA
AN
     Preparation of phosphoric acid triesters as flame retardants,
ΤI
    plasticizers, or stabilizers
     Onchi, Yoko; Takahashi, Ikuo
IN
     Daicel Chemical Industries, Ltd., Japan
PΑ
SO
     PCT Int. Appl., 86 pp.
     CODEN: PIXXD2
DТ
     Patent
LΑ
     Japanese
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                                          APPLICATION NO. DATE
     PATENT NO.
                     KIND DATE
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PΙ
     WO 2001081356
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                           20011101
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         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
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                      20010420
             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 25 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
1.2
     371158-62-2 REGISTRY
RN
     Phosphoric acid, 1,3-phenylenebis(methylene) tetraphenyl ester (9CI) (CA
CN
     INDEX NAME)
FS
     3D CONCORD
     C32 H28 O8 P2
MF
SR
LC
     STN Files: CA, CAPLUS, CASREACT, USPATFULL
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ANSWER 24 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

L2

RN

371158-63-3 REGISTRY

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- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

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135:344286 CA

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Preparation of phosphoric acid triesters as flame retardants,
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    Onchi, Yoko; Takahashi, Ikuo
IN
PA
    Daicel Chemical Industries, Ltd., Japan
SO
    PCT Int. Appl., 86 pp.
    CODEN: PIXXD2
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L2 ANSWER 26 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

ALL CITATIONS AVAILABLE IN THE RE FORMAT

RN 371158-61-1 REGISTRY

3D CONCORD

MF C32 H28 O8 P2

MF C32 H28 SR CA

FS

LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

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135:344286 CA
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     Preparation of phosphoric acid triesters as flame retardants,
TI
     plasticizers, or stabilizers
     Onchi, Yoko; Takahashi, Ikuo
IN
    Daicel Chemical Industries, Ltd., Japan
PA
     PCT Int. Appl., 86 pp.
SO
     CODEN: PIXXD2
     Patent
DТ
     Japanese
LA
FAN.CNT 1
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                      KIND DATE
                                           APPLICATION NO. DATE
     WO 2001081356
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                            20011101
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                                           EP 2001-921971
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PRAI JP 2000-125777
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              THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
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L2 ANSWER 27 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 371158-60-0 REGISTRY

CN Phosphoric acid, [(2R,3aS,4R,5S,7R,7aS)-octahydro-4,7-methano-1H-indene-2,5-diyl]bis(methylene) tetraphenyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C36 H38 O8 P2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 135:344286 CA

TI Preparation of phosphoric acid triesters as flame retardants, plasticizers, or stabilizers

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IN
     Onchi, Yoko; Takahashi, Ikuo
     Daicel Chemical Industries, Ltd., Japan
PA
     PCT Int. Appl., 86 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     Japanese
LA
FAN.CNT 1
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                     KIND DATE
                                         APPLICATION NO. DATE
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                     20001107
     WO 2001-JP3423
                     20010420
             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 28 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
RN
     371158-59-7 REGISTRY
CN
     Phosphoric acid, (octahydro-4,7-methano-1H-indene-2,5-diyl)bis(methylene)
     tetraphenyl ester (9CI) (CA INDEX NAME)
FS
     3D CONCORD
     C36 H38 O8 P2
MF
SR
     CA
LC
     STN Files: CA, CAPLUS, CASREACT, USPATFULL
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TI
     Preparation of phosphoric acid triesters as flame retardants,
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IN
     Onchi, Yoko; Takahashi, Ikuo
PΑ
    Daicel Chemical Industries, Ltd., Japan
SO
     PCT Int. Appl., 86 pp.
     CODEN: PIXXD2
    Patent
חידים
LA
    Japanese
FAN.CNT 1
     PATENT NO.
                     KIND DATE
                                          APPLICATION NO.
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PI

WO 2001081356

A1

W: CN, JP, KR, US

PT, SE, TR

20011101

WO 2001-JP3423

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

20010420

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     JP 2000-339664
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     WO 2001-JP3423
                     20010420
RE.CNT 11
              THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 29 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
     331970-08-2 REGISTRY
RN
     Phosphoric acid, [4-(hydroxymethyl)phenyl]methyl diphenyl ester (9CI) (CA
CN
     INDEX NAME)
FS
     3D CONCORD
     C20 H19 O5 P
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SR
     CA
     STN Files: CA, CAPLUS
LC
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но-сн2
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
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REFERENCE 1
AN
     134:267014 CA
     Cross-linking of polystyrene by Friedel-Crafts chemistry: multifunctional
TI
     additives
     Yao, Hongyang; Zhu, Jin; McKinney, Michael A.; Wilkie, Charles A.
ΑU
     Department of Chemistry, Marquette University, Milwaukee, WI, 53201, USA
CS
     Journal of Vinyl & Additive Technology (2000), 6(4), 205-210
SO
     CODEN: JVATF4; ISSN: 1083-5601
PB
     Society of Plastics Engineers
DT
     Journal
LA
     English
RE.CNT 11
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              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 30 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
     328118-86-1 REGISTRY
RN
CN
     Phosphorothioic acid, 0,0-diphenyl S-[(1,2,3,4-tetrahydro-1-methoxy-1-
     naphthalenyl)methyl] ester (9CI) (CA INDEX NAME)
FS
     3D CONCORD
MF
     C24 H25 O4 P S
SR
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STN Files: CA, CAPLUS

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 134:214916 CA

TI Negative-working photoimaging materials having acid-amplifying layers for

presensitized lithographic plates IN Shimada, Kazuto; Kunita, Kazuto

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 66 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2001060004 A2 20010306 JP 1999-235452 19990823

PRAI JP 1999-235452 19990823

REFERENCE 2

AN 134:200573 CA

TI Negative-working light- or heat-sensitive image recording materials

IN Shimada, Kazuto; Kunida, Kazuto

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 63 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN. CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI JP 2001060006 A2 20010306 JP 1999-235451 19990823

PRAI JP 1999-235451 19990823

L2 ANSWER 31 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 324036-82-0 REGISTRY

CN Phosphoramidic acid, (phenylmethyl) -, bis(tricyclo[3.3.1.13,7]dec-1-yl)

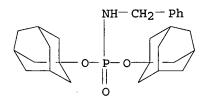
ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C27 H38 N O3 P

SR Chemical Library

LC STN Files: CHEMCATS



L2 ANSWER 32 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 298191-88-5 REGISTRY

CN Phosphoramidic acid, (phenylmethyl) -, bis(4-methylphenyl) ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF

C21 H22 N O3 P

SR Chemical Library

LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 33 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 250784-14-6 REGISTRY

CN Phosphoramidic acid, [(1R,2S,4R)-bicyclo[2.2.1]hept-5-en-2-ylmethyl]-, diphenyl ester, rel- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C20 H22 N O3 P

SR CA

LC STN Files: CA, CAPLUS

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 132:3397 CA

TI Stereochemical aspect of epoxidation of phosphonic amides from norbornane series

AU Kas'yan, A. O.; Tarabara, I. N.; Kas'yan, L. I.

CS Ukraine State Chemical Technology University, Dnepropetrovsk, Russia

SO Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(4), 626-627 CODEN: RJOCEQ; ISSN: 1070-4280

MAIK Nauka/Interperiodica Publishing

DT Journal

PB

LA English

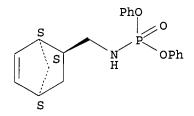
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 34 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

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250784-13-5 REGISTRY
RN
     Phosphoramidic acid, [(1R,2R,4R)-bicyclo[2.2.1]hept-5-en-2-ylmethyl]-,
CN
     diphenyl ester, rel- (9CI) (CA INDEX NAME)
FS
     STEREOSEARCH
MF
     C20 H22 N O3 P
SR
     CA
                  CA, CAPLUS, CASREACT
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Relative stereochemistry.

STN Files:



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

LC

AN 132:3397 CA Stereochemical aspect of epoxidation of phosphonic amides from norbornane TI

ΑU Kas'yan, A. O.; Tarabara, I. N.; Kas'yan, L. I.

CS Ukraine State Chemical Technology University, Dnepropetrovsk, Russia

SO Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(4), 626-627 CODEN: RJOCEQ; ISSN: 1070-4280

PB MAIK Nauka/Interperiodica Publishing

DTJournal

English LA

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 6 ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 35 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

233764-72-2 REGISTRY RN

CNmyo-Inositol, 1,2:4,5-bis-O-(1-methylethylidene)-, 6-[bis(phenylmethyl) phosphate] 3-[6'-(hexyloxy)-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3'-yl phenylmethyl phosphate] (9CI) (CA INDEX NAME)

FS STEREOSEARCH

C59 H62 O16 P2 MF

SR CA

STN Files: LC CA, CAPLUS

Relative stereochemistry.

PAGE 2-A

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 131:127297 CA

TI Synthesis of a new fluorogenic substrate for the continuous assay of mammalian phosphoinositide-specific phospholipase C

AU Rukavishnikov, Aleksey V.; Zaikova, Tatiana O.; Birrell, G. Bruce; Keana, John F. W.; Griffith, O. Hayes

CS Department of Chemistry, University of Oregon, Eugene, OR, 97403, USA

SO Bioorganic & Medicinal Chemistry Letters (1999), 9(8), 1133-1136 CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 36 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 225656-82-6 REGISTRY

CN Phosphoric acid, (3,5-dimethoxyphenyl)methyl diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H21 O6 P

SR CA

LC STN Files: CA, CAPLUS

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 135:195756 CA
- TI Efficient Asymmetric Synthesis of Biologically Important Tryptophan Analogues via a Palladium-Mediated Heteroannulation Reaction
- AU Ma, Chunrong; Liu, Xiaoxiang; Li, Xiaoyan; Flippen-Anderson, Judith; Yu, Shu; Cook, James M.
- CS Department of Chemistry, University of Wisconsin-Milwaukee, Milwaukee, WI, 53201, USA
- SO Journal of Organic Chemistry (2001), 66(13), 4525-4542 CODEN: JOCEAH; ISSN: 0022-3263
- PB American Chemical Society
- DT Journal
- LA English
- RE.CNT 96 THERE ARE 96 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

- AN 131:4927 CA
- TI Effect of the leaving group on the alkylation diastereoselectivity of the Schollkopf chiral auxiliary
- AU Ma, Chunrong; He, Xiaohui; Liu, Xiaoxiang; Yu, Shu; Zhao, Shuo; Cook, James M.
- CS Department of Chemistry, University of Wisconsin-Milwaukee, Milwaukee, WI, 53201, USA
- SO Tetrahedron Letters (1999), 40(15), 2917-2918 CODEN: TELEAY; ISSN: 0040-4039
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 37 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 219551-54-9 REGISTRY
- CN Olean-12-en-28-amide, 23-[(diphenoxyphosphinyl)oxy]-3-hydroxy-N-(2-methoxyethyl)-, (3.beta.,4.alpha.)- (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C45 H64 N O7 P
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

STN Files: CA, CAPLUS, USPATFULL

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

LC

```
130:95698 CA
AN
     Triterpene derivatives and medicinal composition
ΤI
     Segawa, Jun; Matsuoka, Masato; Yoshifusa, Hiroto; Nakamura, Akio
IN
     Nippon Shinyaku Co., Ltd., Japan
PA
     PCT Int. Appl., 150 pp.
SO
     CODEN: PIXXD2
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     Patent
LA
     Japanese
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             KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO,
             NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA,
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PRAI JP 1997-167484
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     WO 1998-JP2779
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     208760-25-2 REGISTRY
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     Phosphoric acid, diphenyl (1,2,3,4-tetrahydro-1-methoxy-1-
CN
     naphthalenyl) methyl ester (9CI) (CA INDEX NAME)
FS
     3D CONCORD
MF
     C24 H25 O5 P
SR
```

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 132:94655 CA

TI Trisubstituted pyridine dyes

IN Marshall, John L.

PA Polaroid Corp., USA

SO U.S., 38 pp., Cont.-in-part of U. S. 5,914,213.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 6

FAM.	~IN T	0					
	PAT	FENT NO.	KIND	DATE	API	PLICATION NO.	DATE
ΡI	US	6015907	A	20000118	US	1997-979375	19971126
	US	6110638	A	20000829	US	1996-757195	19961127
	US	6004719	A	19991221	US	1997-858659	19970519
	US	5914213	Α	19990622	US	1997-944284	19971006
PRAI	US	1996-757195	199611	127			
	US	1997-858659	199705	519			
	US	1997-944284	199710	006			
	US	1994-232725	199404	125			
	US	1995-430420	199504	128			

RE.CNT 76 THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 129:74063 CA

TI Process and composition for generating acid for imaging compositions

IN Grasshoff, Jurgen M.; Marshall, John L.; Minns, Richard A.; Ramos, Socorro
M.; Stroud, Stephen G.; Telfer, Stephen J.; Yang, Haixin; Boggs, Roger A.;
Kolb, Eric S.

PA Polaroid Corporation, USA; Grasshoff, Jurgen M.; Marshall, John L.; Minns, Richard A.; Ramos, Socorro M.; Stroud, Stephen G.; Telfer, Stephen J.; Yang, Haixin; Boggs, Roger A.; Kolb, Eric S.

SO PCT Int. Appl., 97 pp.

CODEN: PIXXD2

US 1994-232725

19940425

DT Patent

LA English

FAN.CNT 6

CNT 6			
PATENT NO.	KIND DATE	APPLICATION NO.	DATE
WO 9824000	A1 19980604	WO 1997-US21856	19971126
W: CA, JP,			
RW: AT, BE,	CH, DE, DK, ES,	FI, FR, GB, GR, IE, IT,	LU, MC, NL, PT, SE
US 6110638	A 20000829	US 1996-757195	19961127
US 6004719	A 19991221	US 1997-858659	19970519
US 5914213	A 19990622	US 1997-944284	19971006
EP 951661	A1 19991027	EP 1997-947637	19971126
R: DE, FR,	GB, IT, NL		
US 1996-757195	19961127		
US 1997-858659	19970519		
US 1997-944284	19971006		
	PATENT NO. WO 9824000 W: CA, JP, RW: AT, BE, US 6110638 US 6004719 US 5914213 EP 951661 R: DE, FR, US 1996-757195 US 1997-858659	PATENT NO. KIND DATE WO 9824000 A1 19980604 W: CA, JP, US RW: AT, BE, CH, DE, DK, ES, US 6110638 A 20000829 US 6004719 A 19991221 US 5914213 A 19990622 EP 951661 A1 19991027 R: DE, FR, GB, IT, NL	PATENT NO. KIND DATE APPLICATION NO. WO 9824000 A1 19980604 WO 1997-US21856 W: CA, JP, US RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, US 6110638 A 20000829 US 1996-757195 US 6004719 A 19991221 US 1997-858659 US 5914213 A 19990622 US 1997-944284 EP 951661 A1 19991027 EP 1997-947637 R: DE, FR, GB, IT, NL US 1996-757195 19961127 US 1997-858659 19970519

US 1995-430420 19950428 WO 1997-US21856 19971126

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 39 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 206869-99-0 REGISTRY

CN Benzoic acid, 4-[[[[4-[3-[(2,5-dioxo-1-pyrrolidinyl)oxy]-3-

oxopropyl]phenyl]amino] (phenylmethoxy)phosphinyl]oxy] -, phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

S 3D CONCORD

MF C34 H31 N2 O9 P

SR CA

LC STN Files: CA, CAPLUS

PAGE 1-A

PAGE 2-A

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:321692 CA

TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis

AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.

- CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6,
- SO Tetrahedron (1998), 54(17), 4223-4242 CODEN: TETRAB; ISSN: 0040-4020
- PB Elsevier Science Ltd.
- DT Journal
- LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L2 ANSWER 40 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 206869-98-9 REGISTRY
- CN Benzenepropanoic acid, 4-[[(phenylmethoxy)[4-[(phenylmethoxy)carbonyl]phen oxy]phosphinyl]amino]-, 2-propenyl ester (9CI) (CA INDEX NAME)
- FS 3D CONCORD
- MF C33 H32 N O7 P
- SR CA
- LC STN Files: CA, CAPLUS

$$H_2C = CH - CH_2 - O - C - CH_2 - CH_2$$
 $O - CH_2 - Ph$
 $O - CH_2 - Ph$
 $O - CH_2 - Ph$
 $O - CH_2 - Ph$

$$\stackrel{\text{O}}{\underset{R-O}{\parallel}} \text{C-O-CH}_2\text{-Ph}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 128:321692 CA
- TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis
- AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.
- CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.
- SO Tetrahedron (1998), 54(17), 4223-4242 CODEN: TETRAB; ISSN: 0040-4020
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 41 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 206869-96-7 REGISTRY
- CN Benzenepropanoic acid, 4-[[(phenylmethoxy)[4-[(phenylmethoxy)carbonyl]phen oxy]phosphinyl]amino]-, 2-(trimethylsilyl)ethyl ester (9CI) (CA INDEX

NAME)

FS 3D CONCORD

MF C35 H40 N O7 P Si

SR C

LC STN Files: CA, CAPLUS

PAGE 1-B

- CH₂- Ph

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:321692 CA

TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis

AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.

CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.

SO Tetrahedron (1998), 54(17), 4223-4242 CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 42 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 206869-86-5 REGISTRY

CN Phosphoramidic acid, methylphenyl-, phenyl phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H20 N O3 P

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} & \text{PhO} & \text{Ph} \\ & | & | \\ \text{Ph-} & \text{CH}_2\text{--} & \text{O--} & \text{P--} & \text{N--} & \text{Me} \\ & | & | & | \\ & \text{O} \end{array}$$

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:321692 CA

TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis

AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.

CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.

SO Tetrahedron (1998), 54(17), 4223-4242 CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 43 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 206869-85-4 REGISTRY

CN Phosphoramidic acid, phenyl-, phenyl phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C19 H18 N O3 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:321692 CA

TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis

AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.

CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.

SO Tetrahedron (1998), 54(17), 4223-4242

CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 44 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 206869-84-3 REGISTRY

CN Benzoic acid, 4-[[(phenylamino) (phenylmethoxy)phosphinyl]oxy]-, phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C27 H24 N O5 P

SR CA

LC STN Files: CA, CAPLUS

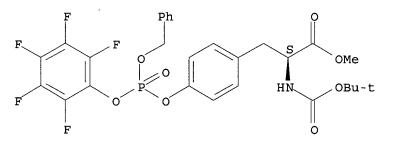
- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN128:321692 CA

- A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates TIand its application to the synthesis of a transition state analog for carbamate hydrolysis
- Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A. ΑU
- CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.
- Tetrahedron (1998), 54(17), 4223-4242 SO CODEN: TETRAB; ISSN: 0040-4020
- PB Elsevier Science Ltd.
- DTJournal
- English LA
- RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 45 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN205500-73-8 REGISTRY
- L-Tyrosine, N-[(1,1-dimethylethoxy)carbonyl]-, methyl ester, CNpentafluorophenyl phenylmethyl phosphate (ester) (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C28 H27 F5 N O8 P
- SR CA
- LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 128:270869 CA
- TIPhosphorylating reagents for solid-phase synthesis of phosphorylated peptides
- IN Gani, David; Hillier, Mark; Hormozdiari, Pantea
- PΑ University Court of the University of St. Andrews, UK; Gani, David;

```
Hillier, Mark; Hormozdiari, Pantea
SO
     PCT Int. Appl., 32 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 1
     PATENT NO.
                     KIND DATE
                                        APPLICATION NO. DATE
     ______
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                                         -----
     WO 9812201
PΙ
                    A1
                           19980326
                                        WO 1997-GB2592
                                                          19970923
         W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
            DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
            PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
            US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
            GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
            GN, ML, MR, NE, SN, TD, TG
     AU 9743139
                          19980414
                                          AU 1997-43139
                                                          19970923
                     A1
                                          EP 1997-941117
     EP 931085
                      A1
                           19990728
                                                          19970923
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, FI
PRAI GB 1996-19768
                     19960923
     WO 1997-GB2592
                     19970923
RE.CNT 7
             THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 46 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L_2
     205500-72-7 REGISTRY
RN
CN
     Phosphoric acid, cyclohexyl pentafluorophenyl phenylmethyl ester (9CI)
     (CA INDEX NAME)
     3D CONCORD
FS
     C19 H18 F5 O4 P
MF
SR
     CA
     STN Files: CA, CAPLUS
LC
          0- CH2- Ph
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
              1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
```

REFERENCE 1

AN 128:270869 CA

TIPhosphorylating reagents for solid-phase synthesis of phosphorylated peptides

IN Gani, David; Hillier, Mark; Hormozdiari, Pantea

PAUniversity Court of the University of St. Andrews, UK; Gani, David; Hillier, Mark; Hormozdiari, Pantea

PCT Int. Appl., 32 pp. SO

CODEN: PIXXD2

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DT
     Patent
LĄ
     English
FAN.CNT 1
     PATENT NO.
                      KIND
                          DATE
                                          APPLICATION NO. DATE
     ______
                           -----
                      _ _ _ _
                                           -----
PΙ
     WO 9812201
                      A1
                            19980326
                                          WO 1997-GB2592
                                                           19970923
             AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
             US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
             GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
             GN, ML, MR, NE, SN, TD, TG
     AU 9743139
                                           AU 1997-43139
                     A1
                           19980414
                                                            19970923
                                          EP 1997-941117
     EP 931085
                       Α1
                            19990728
                                                            19970923
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
PRAI GB 1996-19768
                      19960923
     WO 1997-GB2592
                      19970923
RE.CNT 7
              THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
     ANSWER 47 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     204507-09-5 REGISTRY
     Phosphoric acid, 2-(octahydro-10-methoxy-3,4-dimethyl-3,9a-(epoxymethano)-
CN
     9aH-1,2-benzodioxepin-9-yl)ethyl diphenyl ester,
     (3.alpha., 4.beta., 5a.beta., 9a.alpha., 10S*) - (9CI) (CA INDEX NAME)
FS
     STEREOSEARCH
MF
     C27 H35 O8 P
SR
     CA
                  CA, CAPLUS
     STN Files:
LC
```

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:225672 CA

- TI Design, Synthesis, Derivatization, and Structure-Activity Relationships of Simplified, Tricyclic, 1,2,4-Trioxane Alcohol Analogs of the Antimalarial Artemisinin
- AU Cumming, Jared N.; Wang, Dasong; Park, Sheldon B.; Shapiro, Theresa A.; Posner, Gary H.
- CS Department of Chemistry School of Arts and Sciences, Johns Hopkins University, Baltimore, MD, 21218, USA
- SO Journal of Medicinal Chemistry (1998), 41(6), 952-964 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English

L2 ANSWER 48 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 202056-46-0 REGISTRY

CN Phosphoramidic acid, (phenylmethyl)-, bis(3-methylphenyl) ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H22 N O3 P

SR CAS Registry Services

LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 49 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 201996-90-9 REGISTRY

CN Phosphoramidic acid, (tricyclo[3.3.1.13,7]dec-1-ylmethyl)-, diphenyl ester

(9CI) (CA INDEX NAME)
3D CONCORD

FS 3D CONCORD MF C23 H28 N O3 P

SR CAS Registry Services

LC STN Files: CA, CAPLUS, CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 129:40769 CA

TI Amines and sulfonamides containing an adamantane fragment. Theoretical and experimental study

AU Kas'yan, A. O.; Okovityi, S. I.; Krasnovskaya, O. Yu.; Kas'yan, L. I.

CS Dnepropetrovsk State University, Dnepropetrovsk, 320625, Ukraine

SO Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1997), 33(7), 985-990 CODEN: RJOCEQ; ISSN: 1070-4280

PB MAIK Nauka/Interperiodica Publishing

DT Journal

LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 50 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 201350-17-6 REGISTRY

CN Phosphoramidic acid, (bicyclo[2.2.1]hept-5-en-2-ylmethyl)-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H22 N O3 P

SR CAS Registry Services LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 51 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 188716-26-9 REGISTRY

CN Phosphoric acid, 1,4-phenylenebis(methylene) tetraphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C32 H28 O8 P2

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

$$\begin{array}{c|c} \text{OPh} & \text{OPh} \\ \text{OPh} & \text{P-O-P-OPh} \\ \text{PhO-P-O-CH}_2 & \text{OPh} \\ \text{OOPh} & \text{OOPh} \\ \text{OOPh} \\ \text{OOPh} & \text{OOPh} \\ \text{OOPh} & \text{OOPh} \\ \text{OOPh} & \text{OOPh} \\ \text{OOPh} & \text{OOPh} \\ \text{OOPh}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 135:344286 CA

TI Preparation of phosphoric acid triesters as flame retardants, plasticizers, or stabilizers

IN Onchi, Yoko; Takahashi, Ikuo

PA Daicel Chemical Industries, Ltd., Japan

SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2001081356 A1 20011101 WO 2001-JP3423 20010420

W: CN, JP, KR, US

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

PT, SE, TR

EP 1277758 A1 20030122 EP 2001-921971 20010420

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, FI, CY, TR

TW 523520 B 20030311 TW 2001-90109890 20010425 US 2003109736 A1 20030612 US 2001-18971 20011226

PRAI JP 2000-125777 20000426 JP 2000-125778 20000426

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JP 2000-125779 20000426
JP 2000-247140 20000817
JP 2000-339664 20001107
WO 2001-JP3423 20010420
```

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 126:251242 CA

TI Preparation of 1,4-cyclohexanedimethanol bis(diaryl phosphate)s as flame retardants for polymers

IN Bright, Danielle A.

PA Akzo Nobel, Nv, Neth.

SO U.S., 2 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 5616770	Α	19970401	US 1996-608266	19960228
	WO 9731925	A1	19970904	WO 1997-EP996	19970227
	W: CA, JP				

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE PRAI US 1996-608266 19960228

L2 ANSWER 52 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 179030-35-4 REGISTRY

CN Phosphoric acid, 2-phenylethyl bis[4-(trifluoromethyl)phenyl] ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2-Phenylethyl bis[p-(trifluoromethyl)phenyl] phosphate

FS 3D CONCORD

MF C22 H17 F6 O4 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 125:114760 CA

TI The .beta.-(Phosphatoxy)alkyl Radical Rearrangement. Rate Constants, Arrhenius Parameters, and Structure Activity Relationships

AU Crich, David; Jiao, Xian-Yun

CS Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061, USA

SO Journal of the American Chemical Society (1996), 118(28), 6666-6670 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

L2 ANSWER 53 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 179030-34-3 REGISTRY

CN Phosphoric acid, bis(4-chlorophenyl) 2-phenylethyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bis (p-chlorophenyl) 2-phenylethyl phosphate

FS 3D CONCORD

MF C20 H17 Cl2 O4 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 125:114760 CA

TI The .beta.-(Phosphatoxy)alkyl Radical Rearrangement. Rate Constants, Arrhenius Parameters, and Structure Activity Relationships

AU Crich, David; Jiao, Xian-Yun

CS Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061,

SO Journal of the American Chemical Society (1996), 118(28), 6666-6670 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

L2 ANSWER 54 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 179030-33-2 REGISTRY

CN Phosphoric acid, bis(4-methoxyphenyl) 2-phenylethyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bis(p-methoxyphenyl) 2-phenylethyl phosphate

FS 3D CONCORD

MF C22 H23 O6 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
AN 125:114760 CA
```

TI The .beta.-(Phosphatoxy)alkyl Radical Rearrangement. Rate Constants, Arrhenius Parameters, and Structure Activity Relationships

AU Crich, David; Jiao, Xian-Yun

CS Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061, USA

SO Journal of the American Chemical Society (1996), 118(28), 6666-6670 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

L2 ANSWER 55 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 179030-32-1 REGISTRY

CN Phosphoric acid, bis(4-methylphenyl) 2-phenylethyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bis(p-methylphenyl) 2-phenylethyl phosphate

FS 3D CONCORD

MF C22 H23 O4 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 125:114760 CA

TI The .beta.-(Phosphatoxy)alkyl Radical Rearrangement. Rate Constants, Arrhenius Parameters, and Structure Activity Relationships

AU Crich, David; Jiao, Xian-Yun

CS Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061,

SO Journal of the American Chemical Society (1996), 118(28), 6666-6670 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

L2 ANSWER 56 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 175231-65-9 REGISTRY

CN Phosphoramidic acid, [(1R,2S,4R,5R,6R)-3-oxatricyclo[3.2.1.02,4]oct-6-ylmethyl]-, diphenyl ester, rel- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphoramidic acid, (3-oxatricyclo[3.2.1.02,4]oct-6-ylmethyl)-, diphenyl ester, (1.alpha.,2.beta.,4.beta.,5.alpha.,6.alpha.)-

FS STEREOSEARCH

MF C20 H22 N O4 P

SR CA

LC STN Files: CA, CAPLUS

Relative stereochemistry.

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 132:3397 CA
- TI Stereochemical aspect of epoxidation of phosphonic amides from norbornane series
- AU Kas'yan, A. O.; Tarabara, I. N.; Kas'yan, L. I.
- CS Ukraine State Chemical Technology University, Dnepropetrovsk, Russia
- SO Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(4), 626-627
 CODEN: RJOCEO; ISSN: 1070-4280
- PB MAIK Nauka/Interperiodica Publishing
- DT Journal
- LA English
- RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

- AN 124:260718 CA
- TI Epoxide derivatives of N-(arylsulfonyl)bicyclo[2.2.1]hept-2-ene-exo-5-methylamines
- AU Kas'yan, L. I.; Kas'yan, A. O.; Gorb, L. G.; Klebanov, B. M.
- CS Dnepropetr. Gos. Univ., Ukraine
- SO Zhurnal Organicheskoi Khimii (1995), 31(5), 678-88 CODEN: ZORKAE; ISSN: 0514-7492
- PB Nauka
- DT Journal
- LA Russian
- L2 ANSWER 57 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 161772-18-5 REGISTRY
- CN Phosphoric acid, bis(2-methoxy-5-nitrophenyl) 2-(4-nitrophenyl)ethyl ester (9CI) (CA INDEX NAME)
- MF C22 H20 N3 O12 P
- SR CA
- LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 123:56035 CA

TI Phosphomonoesters and phosphodiesters derived from the photohydrolysis of 2-methoxy-5-nitrophenyl substituted phosphotriesters

AU Graciani, Nilsa R.; Swanson, Daniel S.; Kelley, Jeffery W.

CS Dep. Chem., Texas A and M Univ., College Station, TX, 77843-3255, USA

Tetrahedron (1995), 51(4), 1077-86 CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier

DT Journal

SO

LA English

L2 ANSWER 58 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 160911-92-2 REGISTRY

CN Phosphoric acid, (1,4-dihydroxy-7-oxo-6-oxabicyclo[3.2.1]oct-3-yl)methyl diphenyl ester, [1S-(endo,endo)]- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C20 H21 O8 P

SR CA

LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 122:127367 CA

TI Inversion of an Asymmetric Center in Carbocyclic Inhibitors of 3-Dehydroquinate Synthase: Examining and Exploiting the Mechanism for syn-Elimination during Substrate Turnover

AU Montchamp, Jean-Luc; Peng, Jirong; Frost, J. W.

CS Department of Chemistry, Michigan State University, East Lansing, MI, 48824, USA

SO Journal of Organic Chemistry (1994), 59(23), 6999-7007 CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

L2 ANSWER 59 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 160911-91-1 REGISTRY

CN Cyclohexanecarboxylic acid, 1-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-3 [[(diphenoxyphosphinyl)oxy]methyl]-4-hydroxy-5-[(phenylmethoxy)methoxy]-,
 methyl ester, [1S-(1.alpha.,3.alpha.,4.alpha.,5.beta.)]- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C35 H47 O10 P Si

SR CA

LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 122:127367 CA

TI Inversion of an Asymmetric Center in Carbocyclic Inhibitors of 3-Dehydroquinate Synthase: Examining and Exploiting the Mechanism for syn-Elimination during Substrate Turnover

AU Montchamp, Jean-Luc; Peng, Jirong; Frost, J. W.

CS Department of Chemistry, Michigan State University, East Lansing, MI, 48824, USA

SO Journal of Organic Chemistry (1994), 59(23), 6999-7007 CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

L2 ANSWER 60 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 160706-08-1 REGISTRY

CN Phosphoric acid, 2,5-dichlorophenyl 4-[[3-[(2,4-dinitrophenyl)thio]-1-oxopropyl]amino]phenyl (5,6,8,9,10,10a,11,12-octahydrobenzo[f]pyrrolo[2,1-a]isoquinolin-12-yl)methyl ester, (10a.alpha.,12.alpha.)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C38 H35 Cl2 N4 O9 P S

SR CA

LC STN Files: CA, CAPLUS

Relative stereochemistry.

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 122:106235 CA
- TI Design and synthesis of transition-state analogs for a cationic cyclization
- AU Bell, Ian M.; Abell, Chris; Leeper, Finian J.
- CS Univ. Chem. Lab., Cambridge, CB2 1EW, UK
- SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1994), (14), 1997-2006 CODEN: JCPRB4; ISSN: 0300-922X
- DT Journal
- LA English
- L2 ANSWER 61 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 160580-87-0 REGISTRY
- CN Phosphoric acid, 2,5-dichlorophenyl 4-[[3-[(2,4-dinitrophenyl)thio]-1-oxopropyl]amino]phenyl (5,6,8,9,10,10a,11,12-octahydrobenzo[f]pyrrolo[2,1-a]isoquinolin-12-yl)methyl ester, (10a.alpha.,12.beta.)- (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C38 H35 Cl2 N4 O9 P S
- SR CA
- LC STN Files: CA, CAPLUS

Relative stereochemistry.

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 122:106235 CA

ΤI Design and synthesis of transition-state analogs for a cationic cyclization

ΑU Bell, Ian M.; Abell, Chris; Leeper, Finian J.

CS Univ. Chem. Lab., Cambridge, CB2 1EW, UK

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1994), (14), 1997-2006 CODEN: JCPRB4; ISSN: 0300-922X

DTJournal

LA English

L2ANSWER 62 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN160369-99-3 REGISTRY

CNPhosphoric acid, (2-methylphenyl) methyl diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF

C20 H19 O4 P

SR CAS Registry Services

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2ANSWER 63 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN157660-26-9 REGISTRY

CN · Phosphoric acid, 2-(octahydro-10-methoxy-3-methyl-3,9a-(epoxymethano)-9aH-1,2-benzodioxepin-9-yl)ethyl diphenyl ester, [3R-

(3.alpha.,5a.beta.,9.alpha.,9a.alpha.,10S*)]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3,9a-(Epoxymethano)-9aH-1,2-benzodioxepin, phosphoric acid deriv.

FS STEREOSEARCH

MF C26 H33 O8 P

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 121:195015 CA

TI New, antimalarial, tricyclic 1,2,4-trioxanes: Evaluations in mice and monkeys

AU Posner, Gary H.; Oh, Chang H.; Webster, H. Kyle; Ager, Arba L. Jr.; Rossan, Richard N.

CS Dep. Chem., Johns Hopkins Univ., Baltimore, MD, USA

SO American Journal of Tropical Medicine and Hygiene (1994), 50(4), 522-6 CODEN: AJTHAB; ISSN: 0002-9637

DT Journal

LA English

L2 ANSWER 64 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 157659-85-3 REGISTRY

CN D-myo-Inositol, 2,3,4,5,6-pentakis-O-(phenylmethyl)-, 1,1'-(phenylmethyl phosphate) (9CI) (CA INDEX NAME)

MF C89 H89 O14 P

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c} {\rm Ph-CH_2-O} \\ {\rm Ph-CH_2-O} \\ \\ {\rm Ph-CH_2-O} \\ \\ {\rm O-CH_2-Ph} \\ \\ \\ {\rm O-CH_2-Ph} \\ \end{array}$$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 121:180042 CA
- TI Synthesis of LL-di-myo-inositol-1,1'-phosphate: a novel inositol phosphate from Pyrococcus woesei
- AU van Leeuwen, S. H.; van der Marel, G. A.; Hensel, R.; van Boom, J. H.
- CS Gorlaeus Lab., Leiden Inst. Chem., Leiden, 2300 RA, Neth.
- SO Recueil des Travaux Chimiques des Pays-Bas (1994), 113(6), 335-6 CODEN: RTCPA3; ISSN: 0165-0513
- DT Journal
- LA English
- L2 ANSWER 65 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 157659-84-2 REGISTRY
- CN myo-Inositol, 1,2,4,5,6-pentakis-O-(phenylmethyl)-, 3,3'-(phenylmethyl phosphate) (9CI) (CA INDEX NAME)
- MF C89 H89 O14 P
- SR CA
- LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} \operatorname{Ph-CH_2-O} \\ \operatorname{Ph-CH_2-O} \\ \operatorname{Ph-CH_2-O} \\ \operatorname{O-CH_2-Ph} \\ \operatorname{O-CH_2-Ph} \end{array}$$

$$Ph-CH_{2}-O$$
 $Ph-CH_{2}-O$
 $O-R$
 $Ph-CH_{2}-O$
 $O-CH_{2}-Ph$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 121:180042 CA
- TI Synthesis of LL-di-myo-inositol-1,1'-phosphate: a novel inositol phosphate from Pyrococcus woesei
- AU van Leeuwen, S. H.; van der Marel, G. A.; Hensel, R.; van Boom, J. H.
- CS Gorlaeus Lab., Leiden Inst. Chem., Leiden, 2300 RA, Neth.
- SO Recueil des Travaux Chimiques des Pays-Bas (1994), 113(6), 335-6 CODEN: RTCPA3; ISSN: 0165-0513
- DT Journal
- LA English
- L2 ANSWER 66 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 157598-32-8 REGISTRY
- CN D-myo-Inositol, 1,2,4,5,6-pentakis-O-(phenylmethyl)-, 3,3'-(phenylmethyl phosphate) (9CI) (CA INDEX NAME)
- MF C89 H89 O14 P
- SR CA
- LC STN Files: CA, CAPLUS

$$Ph-CH_{2}-O$$
 $Ph-CH_{2}-O$
 $O-R$
 $Ph-CH_{2}-O$
 $O-CH_{2}-Ph$
 $O-CH_{2}-Ph$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 121:180042 CA
- TI Synthesis of LL-di-myo-inositol-1,1'-phosphate: a novel inositol phosphate from Pyrococcus woesei
- AU van Leeuwen, S. H.; van der Marel, G. A.; Hensel, R.; van Boom, J. H.
- CS Gorlaeus Lab., Leiden Inst. Chem., Leiden, 2300 RA, Neth.
- SO Recueil des Travaux Chimiques des Pays-Bas (1994), 113(6), 335-6 CODEN: RTCPA3; ISSN: 0165-0513
- DT Journal
- LA English
- L2 ANSWER 67 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 151120-95-5 REGISTRY
- CN Phosphoric acid, 2-[(3R,5aR,9S,9aR,10S)-octahydro-10-methoxy-3-methyl-3,9a-(epoxymethano)-9aH-1,2-benzodioxepin-9-yl]ethyl diphenyl ester, rel- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

- CN 3,9a-(Epoxymethano)-9aH-1,2-benzodioxepin, phosphoric acid deriv.
- CN Phosphoric acid, 2-(octahydro-10-methoxy-3-methyl-3,9a-(epoxymethano)-9aH-1,2-benzodioxepin-9-yl)ethyl diphenyl ester, (3.alpha.,5a.beta.,9.alpha.,9 a.alpha.,10S*)-
- FS STEREOSEARCH
- DR 141556-82-3
- MF C26 H33 O8 P
- SR CA
- LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL (*File contains numerically searchable property data)

Relative stereochemistry.

- 4 REFERENCES IN FILE CA (1907 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 136:160854 CA
- TI Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 6.
 The Development of Predictive In Vitro Potency Models Using COMFA and
 HOSAR Methodologies
- AU Avery, Mitchell A.; Alvim-Gaston, Maria; Rodrigues, Carlos R.; Barreiro, Eliezer J.; Cohen, Fred E.; Sabnis, Yogesh A.; Woolfrey, John R.
- CS Department of Medicinal Chemistry School of Pharmacy Thad Cochran National Center for Natural Products Research, University of Mississippi, Mississippi, MS, 38677, USA
- SO Journal of Medicinal Chemistry (2002), 45(2), 292-303 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English
- RE.CNT 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

- AN 128:225672 CA
- TI Design, Synthesis, Derivatization, and Structure-Activity Relationships of Simplified, Tricyclic, 1,2,4-Trioxane Alcohol Analogs of the Antimalarial Artemisinin
- AU Cumming, Jared N.; Wang, Dasong; Park, Sheldon B.; Shapiro, Theresa A.; Posner, Gary H.
- CS Department of Chemistry School of Arts and Sciences, Johns Hopkins University, Baltimore, MD, 21218, USA
- SO Journal of Medicinal Chemistry (1998), 41(6), 952-964 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English

REFERENCE 3

- AN 119:271438 CA
- TI Preparation of 1,2,4-trioxane compounds having antimalarial activity
- IN Posner, Gary; Oh, Chang H.
- PA Johns Hopkins University, USA
- SO U.S., 19 pp.
- CODEN: USXXAM
- DT Patent
- LA English
- FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					
ΡI	US 5225437	Α	19930706	US 1992-823960	19920123
	WO 9314756	A1	19930805	WO 1993-US9	19930107

W: CA, JP RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE PRAI US 1992-823960 19920123

REFERENCE 4

AN 117:26822 CA

TI Extraordinarily potent antimalarial compounds: new, structurally simple,

easily synthesized, tricyclic 1,2,4-trioxanes.

AU Posner, Gary H.; Oh, Chang Ho; Gerena, Lucia; Milhous, Wilbur K.

CS Dep. Chem., Johns Hopkins Univ., Baltimore, MD, 21218, USA SO Journal of Medicinal Chemistry (1992), 35(13), 2459-67

Journal of Medicinal Chemistry (1992), 35(13), 2459-67 CODEN: JMCMAR; ISSN: 0022-2623

DT Journal

LA English

L2 ANSWER 68 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 148866-76-6 REGISTRY

CN Phosphorotrithioic acid, S,S-bis(4-ethenylphenyl) S-(phenylmethyl) ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C23 H21 O P S3

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 119:203628 CA

TI Preparation of phosphate esters as monomers for optical materials

IN Kazama, Hideki; Matsuoka, Shingo

PA Tokuyama Soda Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 39 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

-----PI JP 04330083 A2 19921118 JP 1991-99244 19910430

PRAI JP 1991-99244 19910430

L2 ANSWER 69 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 146733-40-6 REGISTRY

CN Phosphoric acid, diphenyl 2-phenylethyl-2-d ester (9CI) (CA INDEX NAME)

MF C20 H18 D O4 P

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} D & O \\ | & | \\ Ph-CH-CH_2-O-P-OPh \\ | & OPh \end{array}$$

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 118:169204 CA
TI The .beta.-(phosphonooxy)alkyl radical rearrangement
AU Crich, David; Yao, Qingwei
CS Dep. Chem., Univ. Illinois, Chicago, IL, 60607-7061, USA

SO Journal of the American Chemical Society (1993), 115(3), 1165-6

CODEN: JACSAT; ISSN: 0002-7863

DT Journal LA English

L2 ANSWER 70 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 143584-16-1 REGISTRY

CN Phosphoric acid, [3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C27 H33 O5 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 117:151079 CA

TI Organophosphorus antioxidants. XII. Synthesis and NMR spectroscopy of organophosphorus antioxidants and related compounds

AU Koenig, T.; Habicher, W. D.; Haehner, H.; Pionteck, J.; Rueger, C.; Schwetlick, K.

CS Inst. Org. Chem. Farbenchem., Tech. Univ., Dresden, Germany

SO Journal fuer Praktische Chemie/Chemiker-Zeitung (1992), 334(4), 333-49 CODEN: JPCCEM; ISSN: 0941-1216

DT Journal

LA German

L2 ANSWER 71 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 142209-23-2 REGISTRY

CN Phosphoric acid, (2,6-dichlorophenyl) methyl diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2,6-Dichlorobenzyl diphenyl phosphate

FS 3D CONCORD

MF C19 H15 Cl2 O4 P

SR CA

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 117:37302 CA

TI Bond length and reactivity: structure of the diphenyl phosphate ester of 2,6-dichlorobenzyl alcohol

AU Jones, Peter G.; Kirby, Anthony J.; Parker, Jane K.

CS Inst. Anorg. Anal. Chem., Tech. Univ., Braunschweig, 3300, Germany

SO Acta Crystallographica, Section C: Crystal Structure Communications (1992), C48(5), 824-6
CODEN: ACSCEE; ISSN: 0108-2701

DT Journal

LA English

L2 ANSWER 72 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 141033-54-7 REGISTRY

CN Phosphoric acid, P,P'-1,2-cyclohexanediyl P,P'-bis[[2-(bromomethyl)phenyl]methyl] P,P'-dicyclohexyl ester (9CI) (CA INDEX NAME)

MF C34 H48 Br2 O8 P2

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

AN 116:235729 CA Utilization of o-xylylene N, N-diethylphosphoramidite for the synthesis of ΤI phosphoric diesters Watanabe, Yutaka; Komoda, Yasunobu; Ozaki, Shoichiro ΑU CS Fac. Eng., Ehime Univ., Matsuyama, 790, Japan Tetrahedron Letters (1992), 33(10), 1313-16 SO CODEN: TELEAY; ISSN: 0040-4039 DT Journal LA English ANSWER 73 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L_2 RN 141033-50-3 REGISTRY Phosphoric acid, [2-(bromomethyl)phenyl]methyl dicyclohexyl ester (9CI) CN (CA INDEX NAME)

FS 3D CONCORD MF C20 H30 Br O4 P

SR CA

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 116:235729 CA
TI Utilization of o-xylylene N,N-diethylphosphoramidite for the synthesis of

phosphoric diesters
AU Watanabe, Yutaka; Komoda, Yasunobu; Ozaki, Shoichiro

CS Fac. Eng., Ehime Univ., Matsuyama, 790, Japan

SO Tetrahedron Letters (1992), 33(10), 1313-16

CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English

L2 ANSWER 74 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 138250-70-1 REGISTRY

CN Phosphoric acid, (3-methoxyphenyl)methyl diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H19 O5 P

SR CA

LC STN Files: CA, CAPLUS

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ΑN 116:41095 CA

TI Protection and deprotection of carboxylic acids, phosphoric acids, and sulfonic acids

IN Tsukada, Yoshihisa; Ono, Mitsunori

PΑ Fuji Photo Film Co., Ltd., Japan

Jpn. Kokai Tokkyo Koho, 5 pp. SO

CODEN: JKXXAF

DTPatent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE ______ PΙ JP 03170440 A2 19910724 JP 1989-311556 19891130

PRAI JP 1989-311556 19891130

L2ANSWER 75 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN127233-14-1 REGISTRY

CN Phosphoric acid, 4-[[(diphenoxyphosphinyl)oxy]methyl]-1,2-cyclohexanediyl tetraphenyl ester, (1.alpha.,2.beta.,4.beta.) - (9CI) (CA INDEX NAME) OTHER CA INDEX NAMES:

Phosphoric acid, 4-[[(diphenoxyphosphinyl)oxy]methyl]-1,2-cyclohexanediyl tetraphenyl ester, (1.alpha., 2.beta., 4.beta.) - (.+-.) -

MF C43 H41 O12 P3

SR CA

LCSTN Files: CA, CAPLUS, CASREACT

$$\begin{array}{c|c} & & & \text{OPh} \\ & & & \\ \text{OPh} & & \\ \\ \text{OPh} & & \\ \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ΑN 113:6471 CA

TI Synthesis of affinity ligands and radioactive probes for isolation and study of myo-Inositol 1,4,5-trisphosphate binding proteins

ΑU Jina, Arvind N.; Ralph, John; Ballou, Clinton E.

CS Dep. Biochem., Univ. California, Berkeley, CA, 94720, USA

SO Biochemistry (1990), 29(21), 5203-9

CODEN: BICHAW; ISSN: 0006-2960

DT Journal

LΑ English

L2 ANSWER 76 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 126885-71-0 REGISTRY

CN Phosphoramidic acid, [2-(3-chloro-2-methylphenyl)ethyl]-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H21 Cl N O3 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 112:197814 CA

TI Preparation of 3-chloro-2-methylphenethylamines and analogs as herbicides

IN Hagen, Helmut; Pfister, Juergen; Wuerzer, Bruno; Meyer, Norbert

PA BASF A.-G., Fed. Rep. Ger.

SO Eur. Pat. Appl., 30 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE _ _ _ _ PΙ EP 340709 A1 19891108 EP 1989-107885 19890429 R: DE, FR, GB, IT DE 3815046 A1 19891116 DE 1988-3815046 19880504

PRAI DE 1988-3815046 19880504

L2 ANSWER 77 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 124695-92-7 REGISTRY

CN Phosphoric acid, (4-methoxyphenyl) methyl bis(3-methylphenyl) ester (9CI)

(CA INDEX NAME)

FS 3D CONCORD

MF C22 H23 O5 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

112:78938 CA ΑN

Manufacture of electrically conductive polyacetylene films ΤI

Tanimoto, Fumio; Oomori, Fumihiro; Kitano, Hisao IN

Institute for Production and Development Science, Japan PA

Jpn. Kokai Tokkyo Koho, 9 pp. SO

CODEN: JKXXAF

DT Patent

Japanese LA

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE ---------------JP 01136724 A2 19890530 JP 1987-296843 19871125 PΙ

PRAI JP 1987-296843 19871125

ANSWER 78 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

116953-97-0 REGISTRY RN

Phosphoric acid, bis(4-nitrophenyl) 4-(1-pyrenyl)butyl ester (9CI) (CA CN INDEX NAME)

FS 3D CONCORD

C32 H25 N2 O8 P MF

SR

STN Files: CA, CAPLUS, TOXCENTER LC

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 2 REFERENCES IN FILE CA (1907 TO DATE)
 - 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 - 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

112:113921 CA

TΤ Aged and non-aged pyrenebutyl-containing organophosphoryl conjugates of chymotrypsin. Preparation and comparison by phosphorus-31 NMR spectroscopy

ΑU Grunwald, Jacob; Segall, Yoffi; Shirin, Ezra; Waysbort, Daniel; Steinberg, Nitza; Silman, Israel; Ashani, Yacov

CS Israel Inst. Biol. Res., Ness-Ziona, Israel

so Biochemical Pharmacology (1989), 38(19), 3157-68 CODEN: BCPCA6; ISSN: 0006-2952

DTJournal

LA English

REFERENCE 2

AN110:71779 CA

ΤI Conformational differences between aged and nonaged pyrenebutyl-containing organophosphoryl conjugates of chymotrypsin as detected by optical spectroscopy

Steinberg, N.; Van der Drift, A. C. M.; Grunwald, J.; Segall, Y.; Shirin, ΑU

E.; Haas, E.; Ashani, Y.; Silman, I. CS Dep. Neurobiol., Weizmann Inst. Sci., Rehovot, Israel SO Biochemistry (1989), 28(3), 1248-53 CODEN: BICHAW; ISSN: 0006-2960 DTJournal English LA L2ANSWER 79 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN RN 107849-79-6 REGISTRY CNBenzyl 1,2-cyclohexylene phenyl phosphate (7CI) (CA INDEX NAME) 3D CONCORD FS MF C32 H34 O8 P2 CAOLD SR STN Files: CAOLD LC

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2ANSWER 80 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 106585-38-0 REGISTRY

CN Phosphoramidic acid, (azidoacetyl) (phenylmethyl) -, diphenyl ester (9CI)

(CA INDEX NAME) 3D CONCORD

MF C21 H19 N4 O4 P

SR CA

FS

LCSTN Files: CA, CAPLUS, CASREACT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 106:67388 CA

TISynthesis and reactions of N-acylphosphoramides related to

4-oxo-1,3-diaza-2-phospholanes

ΑU Mulliez, Michel

CS Lab. Chim. Org. Biol., Univ. Paris-Sud, Orsay, 91405, Fr.

SO Bulletin de la Societe Chimique de France (1985), (6), 1211-18 CODEN: BSCFAS; ISSN: 0037-8968

DTJournal

LAFrench

```
L2
     ANSWER 81 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     106585-33-5 REGISTRY
     Phosphoramidic acid, (phenylmethyl) (trimethylsilyl) -, diphenyl ester (9CI)
CN
     (CA INDEX NAME)
FS
     3D CONCORD
MF
     C22 H26 N O3 P Si
SR
LC
     STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
         (*File contains numerically searchable property data)
    O SiMe3
PhO-P-N-CH2-Ph
    OPh
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
REFERENCE 1
     106:67388 CA
AN
     Synthesis and reactions of N-acylphosphoramides related to
ΤI
     4-oxo-1,3-diaza-2-phospholanes
ΑU
     Mulliez, Michel
CS
     Lab. Chim. Org. Biol., Univ. Paris-Sud, Orsay, 91405, Fr.
     Bulletin de la Societe Chimique de France (1985), (6), 1211-18
SO
     CODEN: BSCFAS; ISSN: 0037-8968
DT
     Journal
LA
     French
    ANSWER 82 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
     102315-92-4 REGISTRY
RN
CN
     Phosphoric acid, p-methylbenzyl diphenyl ester (6CI) (CA INDEX NAME)
FS
     3D CONCORD
     C20 H19 O4 P
MF
SR
     CAOLD
     STN Files:
LC
                  BEILSTEIN*, CAOLD
         (*File contains numerically searchable property data)
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
L2
    ANSWER 83 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     101868-29-5 REGISTRY
CN
     Phosphoric acid, p-bromobenzyl diphenyl ester (6CI) (CA INDEX NAME)
FS
     3D CONCORD
MF
     C19 H16 Br O4 P
SR
     CAOLD
LC ·
     STN Files: BEILSTEIN*, CAOLD
         (*File contains numerically searchable property data)
```

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 84 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 101813-05-2 REGISTRY

CN Phosphoric acid, [(1,4,5,6,7,7-hexachloro-5-norbornen-2-yl)methyl]

diphenyl ester (7CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H15 C16 O4 P

SR CAOLD

LC STN Files: CA, CAOLD, CAPLUS

$$\begin{array}{c|c} C1 & O \\ C1 & CH_2-O-P-OPh \\ C1 & OPh \\ C1 & C1 \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

AN 61:92468 CA

TI Vinyl esters of alkylphosphinic acids

PA Organization of the State Committee for the Chemical Industry under the State Planning Committee of the Council of Ministers of the U.S.S.R., Kiev.

SO From: Byul. Izobret. i Tovarnykh Znakov 1964(13), 24..

DT Patent

LA Unavailable

PATENT NO. KIND DATE APPLICATION NO. DATE

PI SU 163618 19640722 SU 19630506

REFERENCE 2

AN 61:92467 CA

TI Compounds containing 1,4,5,6,7,7-hexachlorobicyclo[2.2.1]hepten-5-yl groups

PA Chemische Werke Huels A.-G.

SO 9 pp.

DT Patent

LA Unavailable

PATENT NO. KIND DATE APPLICATION NO. DATE

PI FR 1369587 19640814 FR

PRAI DE 19620717

ANSWER 85 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L295894-99-8 REGISTRY RN

Phosphoramidic acid, [(4-chlorophenyl)methyl]pyrazinyl-, diphenyl ester CN (9CI) (CA INDEX NAME)

FS 3D CONCORD

C23 H19 Cl N3 O3 P MF

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ΑN 102:166947 CA

Pyrazine compounds and their use in combating undesired plant growth TI

INHopwood, William John

Shell Internationale Research Maatschappij B. V., Neth. PΑ

SO Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DTPatent

LA English

FAN.	CNT	1 .						
	PA	FENT NO.	KIND	DATE		API	PLICATION NO.	DATE
ΡI	EP	124155	A1	19841107		EP	1984-200439	19840326
	EΡ	124155	B1	19870603				
		R: AT, BE,	CH, DE	, FR, GB,	IT,	LI, I	LU, NL, SE	
	AT	27604	E	19870615		\mathtt{AT}	1984-200439	19840326
	CA	1223260	A1	19870623		CA	1984-450475	19840326
	DK	8402089	A	19841030		DK	1984-2089	19840426
	ΑU	8427261	A1	19841101		AU	1984-27261	19840426
	ΑU	563168	B2	19870702				·
	JP	59206397	A2	19841122		JP	1984-83071	19840426
	JP	04055199	B4	19920902				
	BR	8401966	Α	19841204		BR	1984-1966	19840426
	zA	8403086	Α	19850227		ZA	1984-3086	19840426
PRAI	GB	1983-11775	198304	129				
	ΕP	1984-200439	19840	326			•	•

L2ANSWER 86 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN94624-00-7 REGISTRY

CNPhosphoramidic acid, (p-isocyanatobenzyl)-, diphenyl ester (7CI)

INDEX NAME)

FS 3D CONCORD

MF C20 H17 N2 O4 P

LCSTN Files: CA, CAOLD, CAPLUS

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

57:56032 CA AN

Isocyanatoaryl esters and amides of phosphoric and thiophosphoric acids TI

PA Farbenfabriken Bayer A.-G.

SO 4 pp.

DTPatent

LA · Unavailable

APPLICATION NO. DATE PATENT NO. KIND DATE ----_____ GB

PΙ GB 891654 19620314

PRAI DE 19580206

ANSWER 87 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

85672-49-7 REGISTRY RN

Phosphoric acid, 2-[1-(4-chlorophenyl)-5-isoquinolinyl]ethyl diphenyl CN

ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C29 H23 Cl N O4 P

STN Files: CA, CAPLUS LC

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

98:198052 CA AN

ΤI 1-Phenylisoquinolines

PA Teikoku Hormone Mfg. Co., Ltd., Japan

Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LΑ Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57203068 JP 01018899	A2 B4	19821213 19890407	JP 1981-86832	19810608
PRAI	JP 1981-86832	19810	608		·
	ANSWER 88 OF 118 83565-46-2 REGI	STRY			

CN Phosphoric acid, (2-hydroxycyclohexyl) methyl diphenyl ester, trans- (9CI)

(CA INDEX NAME)

FS STEREOSEARCH

MF C19 H23 O5 P

LC STN Files: CA, CAPLUS

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 97:198467 CA

TI Phosphorylated sugars. Part 23. Synthesis and reactions of phosphodiesters containing 2-aminoethanol and a polyfunctional alcohol and their behavior during acid- and base-catalyzed hydrolysis.

AU Trigalo, Francois; Szabo, Ladislas

CS Cent. Etud. Pharm., Univ. Paris-Sud, Chatenay-Malabry, 92290, Fr.

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1982), (8), 1733-43 CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L2 ANSWER 89 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 82159-44-2 REGISTRY

CN Phosphorodiamidic acid, N-phenyl-N'-(phenylmethyl)-, phenyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphorodiamidic acid, N-benzyl-N'-phenyl-, phenyl ester (6CI)

FS 3D CONCORD

MF C19 H19 N2 O2 P

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

AN 97:23905 CA

TI Reaction of phenyl N-phenylphosphoramidoazidate with carboxylic acids and

amines

AU Arrieta, Ana; Palomo, Claudio

CS Lab. Quim. Org., Fac. Cienc. Quim., Alza, Spain

SO Bulletin de la Societe Chimique de France (1982), (1-2, Pt. 2), 7-11

CODEN: BSCFAS; ISSN: 0037-8968

DT Journal

LA English

REFERENCE 2

AN 55:111966 CA

TI Organic nitrogen-containing phosphorus compounds

IN Binder, Hans; Heinle, Rudolf

PA Rottweiler Kunstseidefabrik Akt.-Ges.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 1084716		19600707	DE	
	US 3127445		1964	US	

L2 ANSWER 90 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 77055-60-8 REGISTRY

CN Phosphoric acid, bis(4-nitrophenyl) 2-phenylethyl ester (9CI) (CA INDEX

NAME)

FS 3D CONCORD

MF C20 H17 N2 O8 P

LC STN Files: CA, CAPLUS, CASREACT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 108:37944 CA

TI Structure-reactivity studies in phosphate triesters

AU Armstrong, Moira M.; Cocks, Sarah; Modro, Tomasz A.

CS Sch. Chem. Sci., Univ. Cape Town, Rondebosch, 7700, S. Afr.

South African Journal of Chemistry (1987), 40(1), 20-4

CODEN: SAJCDG; ISSN: 0379-4350

DT Journal

SO

LA English

REFERENCE 2

AN 94:175104 CA

TI Phosphoric acid diesters

PA Nippon Chemiphar Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

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Patent
LA
    Japanese
FAN.CNT 1
    PATENT NO.
                     KIND DATE
                                        APPLICATION NO.
                                                         DATE
     _____
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                          -----
                                         -----
                                                        ------
    JP 55130987
                     A2
                          19801011
                                         JP 1979-37771
                                                         19790330
    JP 62060387
                     B4
                          19871216
PRAI JP 1979-37771
                     19790330
    ANSWER 91 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
RN
    73752-07-5 REGISTRY
CN
    Phosphoric acid, [4-(bromomethyl)-2,6-dimethylphenyl]methyl
    bis[4-(1,1-dimethylethyl)phenyl] ester, tetrabromo deriv. (9CI) (CA INDEX
    C30 H34 Br5 O4 P
MF
CI
    IDS
LC
    STN Files:
                CA, CAPLUS
```

4 (D1-Br)

1 REFERENCES IN FILE CA (1907 TO DATE) 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

DT

AN 93:8758 CA TI Porous PVC homo- or copolymers Scheinhardt, Joerg; Klodt, Rolf Dieter; Kiermeyer, Ellen; Hamann, Bernd; Weissenborn, Klaus Dieter PΑ VEB Chemische Werke Buna, Ger. Dem. Rep. Ger. (East), 7 pp. SO CODEN: GEXXA8 DT Patent LA German FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE -------------------PΙ DD 138666 \mathbf{z} 19791114 DD 1978-207989 19780921 PRAI DD 1978-207989 19780921 L2ANSWER 92 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN RN 70769-89-0 REGISTRY CNPhosphorodithioic acid, S,S-bis(4-methylphenyl) O-(2-phenylethyl) ester (9CI) (CA INDEX NAME) FS 3D CONCORD MFC22 H23 O2 P S2 STN Files: CA, CAPLUS, CASREACT LC

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 91:39083 CA
- The reaction of O-alkyl S,S-diaryl phosphorodithioates with

alkyloxystannanes

- ΑU Watanabe, Yutaka; Mukaiyama, Teruaki
- Fac. Sci., Univ. Tokyo, Tokyo, 113, Japan CS
- Chemistry Letters (1979), (4), 389-90 SO
 - CODEN: CMLTAG; ISSN: 0366-7022
- DTJournal
- English LΑ

FS

- ANSWER 93 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2
- RN70769-88-9 REGISTRY
- CNPhosphorodithioic acid, S,S-bis(4-chlorophenyl) O-(2-phenylethyl) ester
 - (CA INDEX NAME) (9CI) 3D CONCORD
- MF C20 H17 Cl2 O2 P S2
- LCSTN Files: CA, CAPLUS, CASREACT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 91:39083 CA
- The reaction of O-alkyl S,S-diaryl phosphorodithioates with TI
 - alkyloxystannanes
- ΑU Watanabe, Yutaka; Mukaiyama, Teruaki
- CS Fac. Sci., Univ. Tokyo, Tokyo, 113, Japan
- SO Chemistry Letters (1979), (4), 389-90
 - CODEN: CMLTAG; ISSN: 0366-7022
- DTJournal
- LA English
- L2ANSWER 94 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- 70206-07-4 REGISTRY RN
- CNPhosphoramidic acid, (phenylmethyl) [[(phenylmethyl)amino]thioxomethyl]-, diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

- CNN, N'-Dibenzyl-N-(diphenylphosphoryl)thiourea
- FS 3D CONCORD
- MF C27 H25 N2 O3 P S

STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER (*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 4 REFERENCES IN FILE CA (1907 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

LC

AN 105:153139 CA

- The application of simple-harmonic-oscillator calculations (HOSE-model) to crystallographically studied N-phosphoryl-N,N'-disubstituted thioureas
- AU Karolak-Wojciechowska, Janina
- CS Inst. Gen. Chem., Tech. Univ., Lodz, 90-362, Pol.
- SO Phosphorus and Sulfur and the Related Elements (1985), 25(2), 229-35 CODEN: PREEDF; ISSN: 0308-664X
- DT Journal
- LA English

REFERENCE 2

AN 100:103460 CA

- TI Reaction of carbodiimides with phosphorothioic, phosphorodithioic, and phosphoroselenoic acids: products, intermediates, and steps
- AU Mikolajczyk, Marian; Kielbasinski, Piotr; Basinski, Wlodzimierz
- CS Cent. Mol. Macromol. Stud., Pol. Acad. Sci., Lodz, 90-362, Pol.
- SO Journal of Organic Chemistry (1984), 49(5), 899-908
 - CODEN: JOCEAH; ISSN: 0022-3263
- DT Journal
- LA English

REFERENCE 3

AN 96:104518 CA

- TI N-Phosphorylated-N, N'-disubstituted thio- or selenoureas
- IN Mikolajczyk, Marian; Kielbasinski, Piotr
- PA Polska Akademia Nauk, Centrum badan Molekularnych i Makromolekularnych, Pol.
- SO Pol., 3 pp.
- CODEN: POXXA7
- DT Patent
- LA Polish
- FAN.CNT 1

	PATENT NO.	KIND DATE	APPLICATION NO.	DATE
	PL 108330	B1 ~19800430	PL 1977-197643	19770426
ΔТ	DI. 1977-197643	19770426		

REFERENCE 4

- AN 90:195954 CA
- TI The crystal structure of N,N'-dibenzyl-N-diphenoxyphosphorylthiourea
- AU Karolak-Wojciechowska, Janina; Wieczorek, Michal; Mikolajczyk, Marian; Kielbasinski, Piotr; Struchkov, Yu. T.; Antipin, M. Yu.
- CS Inst. Gen. Chem., Tech. Univ. Lodz, Lodz, Pol.
- SO Acta Crystallographica, Section B: Structural Crystallography and Crystal Chemistry (1979), B35(4), 877-81

CODEN: ACBCAR; ISSN: 0567-7408

DT Journal LA English

L2 ANSWER 95 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 68036-35-1 REGISTRY

CN Phosphoramidic acid, [(4-methoxyphenyl)methyl]-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

LC

MF C20 H20 N O4 P

STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 90:21849 CA

TI Phosphoric amides. 1. Phosphorus-nitrogen vs. nitrogen-carbon bond cleavage in acidic solvolysis of N-alkyl phosphoramidates and phosphinamidates

AU Modro, Tomasz A.; Lawry, Mary A.; Murphy, Elaine

CS Dep. Chem., Univ. Toronto, Toronto, ON, Can.

SO Journal of Organic Chemistry (1978), 43(26), 5000-6 CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

L2 ANSWER 96 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 68036-34-0 REGISTRY

CN Phosphoramidic acid, [(4-methylphenyl)methyl]-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H20 N O3 P

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 101:23613 CA

```
ΤI
     Phosphoric amides. Part 7. Mass spectrometry of phosphoric amido esters:
     fragmentation patterns and migratory aptitudes
     Davidowitz, Bette; Modro, Tomasz A.
ΑU
     Dep. Org. Chem., Univ. Cape Town, Rondebosch, S. Afr.
CS
     Organic Mass Spectrometry (1984), 19(3), 128-34
SO
     CODEN: ORMSBG; ISSN: 0030-493X
DT
     Journal
     English
LA
REFERENCE 2
     90:21849 CA
AN
TΙ
     Phosphoric amides. 1. Phosphorus-nitrogen vs. nitrogen-carbon bond
     cleavage in acidic solvolysis of N-alkyl phosphoramidates and
     phosphinamidates
ΑU
    Modro, Tomasz A.; Lawry, Mary A.; Murphy, Elaine
CS
    Dep. Chem., Univ. Toronto, Toronto, ON, Can.
SO
     Journal of Organic Chemistry (1978), 43(26), 5000-6
     CODEN: JOCEAH; ISSN: 0022-3263
DT
     Journal
    English
LΑ
    ANSWER 97 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L_2
ŔŊ
     66910-78-9 REGISTRY
CN
     Phosphoric acid, diphenyl 2-phenylethyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
     2-Phenylethyl diphenyl phosphate
CN
     Diphenyl phenethyl phosphate
CN
FS
     3D CONCORD
MF
     C20 H19 O4 P
     STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
LC
         (*File contains numerically searchable property data)
      - O- CH_2- CH_2- Ph
    OPh
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               8 REFERENCES IN FILE CA (1907 TO DATE)
```

8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 137:185580 CA

TI 3-Phosphono-2-(N-cyanoimino)thiazolidine derivatives, new phosphorylating agents for alcohols

AU Maezaki, Naoyoshi; Furusawa, Akemi; Hirose, Yuki; Uchida, Shuji; Tanaka, Tetsuaki

CS Osaka University, Graduate School of Pharmaceutical Sciences, Suita, Osaka, 565-0871, Japan

SO Tetrahedron (2002), 58(18), 3493-3498 CODEN: TETRAB; ISSN: 0040-4020

Elsevier Science Ltd.

DT Journal

PB

LA English

RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 132:136937 CA

TI Design, synthesis, application and recovery of a minimally fluorous diaryl diselenide for the catalysis of stannane-mediated radical chain reactions

```
ΑU
     Crich, David; Hao, Xiaolin; Lucas, Mathew
     Department of Chemistry, University of Illinois at Chicago, Chicago, IL,
CS
     60607-7061, USA
     Tetrahedron (1999), 55(50), 14261-14268
SO
     CODEN: TETRAB; ISSN: 0040-4020
PB
     Elsevier Science Ltd.
DT
     Journal
     English
LA
              THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 37
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
REFERENCE 3
AN
     131:144161 CA
     Inhibition of Stannane-Mediated Radical Rearrangements by a Recoverable,
TI
     Minimally Fluorous Selenol
     Crich, David; Hao, Xiaolin; Lucas, Mathew A.
AII
    Department of Chemistry, University of Illinois at Chicago, Chicago, IL,
CS
     60607-7061, USA
     Organic Letters (1999), 1(2), 269-271
SO
     CODEN: ORLEF7; ISSN: 1523-7060
PВ
     American Chemical Society
DT
     Journal
     English
LΑ
RE.CNT
       30
              THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
REFERENCE 4
     124:117422 CA
AN
     Chemistry of .beta.-(Phosphatoxy)alkyl and .beta.-(Acyloxy)alkyl Radicals.
TI
     Migration Reactions: Scope and Stereoselectivity of .beta.-
     (Phosphatoxy)alkyl Rearrangement. Mechanism of .beta.-(Phosphatoxy)alkyl
     and .beta.-(Acyloxy)alkyl Migration
     Crich, David; Yao, Qingwei; Filzen, G. Fredrick
ΑU
CS
     Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061,
SO
     Journal of the American Chemical Society (1995), 117(46), 11455-70
     CODEN: JACSAT; ISSN: 0002-7863
PB
     American Chemical Society
DT
     Journal
LA
     English
REFERENCE 5
ΑN
TI
     Inhibition of Rearrangements in Stannane-Mediated Radical Reduction
     Reactions by Catalytic Quantities of Diphenyl Diselenide. An Example of
     Polarity Reversal Catalysis
ΑU
     Crich, David; Yao, Qingwei
CS
     Department of Chemistry, University of Illinois at Chicago, Chicago, IL,
     60607-7061, USA
SO
     Journal of Organic Chemistry (1995), 60(1), 84-8
     CODEN: JOCEAH; ISSN: 0022-3263
PB
     American Chemical Society
DT
     Journal
LA
     English
REFERENCE 6
ΑN
     118:169204 CA
TI
     The .beta.-(phosphonooxy)alkyl radical rearrangement
ΑU
     Crich, David; Yao, Qingwei
     Dep. Chem., Univ. Illinois, Chicago, IL, 60607-7061, USA
CS
so
     Journal of the American Chemical Society (1993), 115(3), 1165-6
     CODEN: JACSAT; ISSN: 0002-7863
DT
     Journal
LA
     English
```

REFERENCE 7

```
AN 93:150239 CA
```

TI Esterification of phosphoric acid by benzoxazole derivatives

IN Mukaiyama, Mitsuaki; Watanabe, Yutaka

PA Nippon Chemiphar Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 2 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 55038303 A2 19800317 JP 1978-110239 19780909

PRAI JP 1978-110239 19780909

REFERENCE 8

AN 89:24202 CA

TI An efficient phosphorylaton method by the activation of alcohol

AU Watanabe, Yutaka; Mukaiyama, Teruaki

CS Fac. Sci., Univ. Tokyo, Tokyo, Japan

Chemistry Letters (1978), (4), 349-52

CODEN: CMLTAG; ISSN: 0366-7022

DT Journal

LA English

L2 ANSWER 98 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 64643-57-8 REGISTRY

CN Phosphoramidic acid, [(phenylamino)thioxomethyl](phenylmethyl)-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C26 H23 N2 O3 P S

LC STN Files: CA, CAPLUS

$$\begin{array}{c} \text{O} \\ \parallel \\ \text{PhO-P-OPh} \\ \mid \\ \text{Ph-CH}_2 - \text{N-C-NHPh} \\ \parallel \\ \text{S} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 87:183677 CA

TI Direct observation, isolation, and structure of 1:1 adducts from carbodiimides and dialkylphosphorothio(seleno)ic acids

AU Mikolajczyk, Marian; Kielbasinski, Piotr; Goszczynska, Zofia

CS Cent. Mol. Macromol. Stud., Pol. Acad. Sci., Lodz, Pol.

SO Journal of Organic Chemistry (1977), 42(22), 3629-30

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

L2 ANSWER 99 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 64108-81-2 REGISTRY

CN Phosphoric acid, bis(4-nitrophenyl) phenylmethyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphoric acid, benzyl bis(p-nitrophenyl) ester (6CI)

```
3D CONCORD
FS
     C19 H15 N2 O8 P
MF
     STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT
LC
         (*File contains numerically searchable property data)
               o-cH_2-ph
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               3 REFERENCES IN FILE CA (1907 TO DATE)
               3 REFERENCES IN FILE CAPLUS (1907 TO DATE)
               1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
REFERENCE 1
     108:37944 CA
AN
ΤI
     Structure-reactivity studies in phosphate triesters
     Armstrong, Moira M.; Cocks, Sarah; Modro, Tomasz A.
ΑU
     Sch. Chem. Sci., Univ. Cape Town, Rondebosch, 7700, S. Afr.
CS
SO
     South African Journal of Chemistry (1987), 40(1), 20-4
     CODEN: SAJCDG; ISSN: 0379-4350
DT
     Journal
     English
LΑ
REFERENCE 2
ΑN
     93:46099 CA
     Transesterification of tris(p-nitrophenyl) phosphate with sodium
ΤI
     alkoxides: bis(p-nitrophenyl) methyl phosphate, bis(p-nitrophenyl) benzyl
     phosphate, bis(p-nitrophenyl) n-butyl phosphate
     Berndt, Michael C.; Dudman, N. P. B.; Zerner, Burt
ΑU
     Dep. Biochem., Univ. Queensland, St. Lucia, 4067, Australia
CS
SO
     Phosphorus and Sulfur and the Related Elements (1979), 7(3), 225-7
     CODEN: PREEDF; ISSN: 0308-664X
DT
     Journal
ĹΑ
     English
REFERENCE 3
AN
     87:202032 CA
     Phosphoric acid derivatives
TI
     Mukaiyama, Mitsuaki; Hashimoto, Mitsunori
IN
PΑ
     Sankyo Co., Ltd., Japan
     Jpn. Tokkyo Koho, 5 pp.
SO
     CODEN: JAXXAD
DT
     Patent
LA
     Japanese
FAN.CNT 1
     PATENT NO.
                      KIND DATE
                                           APPLICATION NO.
                                                            DATE
                     _ _ _ _
                                           ------
     JP 52008289
PΤ
                      B4
                            19770308
                                           JP 1970-64875
                                                            19700724
PRAI JP 1970-64875
                      19700724
     ANSWER 100 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
RN
     62955-06-0 REGISTRY
     Phosphoric acid, 1,4-cyclohexanediylbis(methylene) tetracyclohexyl ester
CN
     (9CI) (CA INDEX NAME)
OTHER NAMES:
CN
     1,4-Cyclohexylenedimethylene bis(dicyclohexyl phosphate)
```

OTHER NAMES:

CN

Benzyl bis(p-nitrophenyl) phosphate

FS 3D CONCORD MF C32 H58 O8 P2

LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 87:25818 CA

TI Improved hydraulic liquids

IN Heber, John F.

PA Monsanto Co., USA

SO Ger. Offen., 34 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI /DE 2625878	A1	19761223	DE 1976-2625878	19760609
/ US 4056480	Α	19771101	US 1975-585636	19750610
NL 7606145	Α	19761214	NL 1976-6145	19760608
JP 51149884	A2	19761223	JP 1976-66639	19760609
FR 2314243	A1	19770107	FR 1976-17415	19760609
GB 1532904	Α	19781122	GB 1976-23851	19760609
AU 507315	B2	19800214	AU 1976-14748	19760609
PRAT IIS 1975-585636	19750	610		

L2 ANSWER 101 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 58245-68-4 REGISTRY

CN Phosphorodiamidic acid, N,N'-dimethyl-N,N'-diphenyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H23 N2 O2 P

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 84:58805 CA

TI Organophosphorochloridates. Derivatives of N,N1-dialkyl-N,N1-

diphenylphosphorodiamidic chlorides

AU Cremlyn, R. J. W.; Frearson, M. J.; Milnes, D.

CS Dep. Chem. Sci., Hatfield Polytech., Hatfield/Hertfordshire, UK

Phosphorus and the Related Group V Elements (1975), 6(1), 29-34

CODEN: PHUSBV; ISSN: 0369-9722

DT Journal

SO

LA English

L2 ANSWER 102 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 54468-46-1 REGISTRY

CN Phosphoramidic acid, chloro(phenylmethyl)-, diphenyl ester (9CI) (CA

INDEX NAME)
FS 3D CONCORD

MF C19 H17 Cl N O3 P

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 82:111546 CA

TI Methylenation of the nitrogen-halogen bond of positive halogen compounds

AU Orazi, Orfeo O.; Corral, Renee A.; Schuttenberg, Herman

CS Fac. Cienc. Exactas, Univ. Nac. La Plata, La Plata, Argent.

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1974), (18), 2087-91

CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L2 ANSWER 103 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 54468-10-9 REGISTRY

CN Propanedioic acid, (1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)[[(diphenoxyphosphinyl)(phenylmethyl)amino]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

MF C35 H33 N2 O9 P

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 82:111546 CA

TI Methylenation of the nitrogen-halogen bond of positive halogen compounds

AU Orazi, Orfeo O.; Corral, Renee A.; Schuttenberg, Herman

CS Fac. Cienc. Exactas, Univ. Nac. La Plata, La Plata, Argent.

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1974), (18), 2087-91 CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L2 ANSWER 104 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 36717-05-2 REGISTRY

CN Phosphorothioic acid, S-[[5-chloro-2-(ethylthio)phenyl]methyl] O,O-diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN O,O-Diphenyl S-(5-chloro-2-ethylthiobenzyl) thiophosphate

FS 3D CONCORD

MF C21 H20 Cl O3 P S2

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 77:88015 CA

TI Reaction of esters and ester amides of thiophosphoric acid with substituted benzyl chlorides

AU Prokof'eva, A. F.; Mel'nikov, N. N.; Vladimirova, I. L.

CS Vses. Nauchno-Issled. Inst. Khim. Sredstv Zashch. Rast., USSR

SO Zhurnal Obshchei Khimii (1972), 42(4), 820-5

CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

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LA Russian
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L2 ANSWER 105 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 36717-04-1 REGISTRY

CN Phosphorothioic acid, S-[(4-methoxy-3-nitrophenyl)methyl] O,O-diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

MF

CN O,O-Diphenyl S-(4-methoxy-3-nitrobenzyl) thiophosphate

FS 3D CONCORD.

C20 H18 N O6 P S

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 77:88015 CA

TI Reaction of esters and ester amides of thiophosphoric acid with substituted benzyl chlorides

AU Prokof'eva, A. F.; Mel'nikov, N. N.; Vladimirova, I. L.

CS Vses. Nauchno-Issled. Inst. Khim. Sredstv Zashch. Rast., USSR

SO Zhurnal Obshchei Khimii (1972), 42(4), 820-5 CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

LA Russian

L2 ANSWER 106 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 33985-75-0 REGISTRY

CN Phosphoramidic acid, (phenylmethyl)-, diphenyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphoramidic acid, benzyl-, diphenyl ester (6CI, 8CI)

OTHER NAMES:

CN NSC 87424

FS 3D CONCORD

MF C19 H18 N O3 P

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, HODOC*, TOXCENTER

(*File contains numerically searchable property data)

$$\begin{array}{c} \text{O} \\ || \\ \text{PhO-P-NH-CH}_2 - \text{Ph} \\ | \\ \text{OPh} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1907 TO DATE)

16 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1 133:18316 CA Halogen-free flame retardant compositions containing phosphoric acid IN Masuda, Takeshi; Morishita, Susumu; Kawada, Toshiko; Kano, Naoki PΑ Shikoku Chemicals Corp., Japan Jpn. Kokai Tokkyo Koho, 6 pp. SO CODEN: JKXXAF Patent Japanese LΑ FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE _____ ----______ JP 2000154277 A2 20000606 JP 1998-332994 19981124 PRAI JP 1998-264090 19980918 REFERENCE 2 AN Synthesis and reactions of N-acylphosphoramides related to 4-oxo-1,3-diaza-2-phospholanes ΑU Mulliez, Michel Lab. Chim. Org. Biol., Univ. Paris-Sud, Orsay, 91405, Fr. CS Bulletin de la Societe Chimique de France (1985), (6), 1211-18 SO CODEN: BSCFAS; ISSN: 0037-8968 Journal DT French LAREFERENCE 3 ΑN 101:23613 CA ΤI Phosphoric amides. Part 7. Mass spectrometry of phosphoric amido esters: fragmentation patterns and migratory aptitudes Davidowitz, Bette; Modro, Tomasz A. AU Dep. Org. Chem., Univ. Cape Town, Rondebosch, S. Afr. CS Organic Mass Spectrometry (1984), 19(3), 128-34 SO CODEN: ORMSBG; ISSN: 0030-493X DTJournal English LΑ REFERENCE 4 AN100:139002 CA Activation of carboxyl groups by diphenyl 2-oxo-3-oxazolinylphosphonate. TIFacile preparation of versatile reagents, 3-acyl-2-oxazolones Kunieda, Takehisa; Higuchi, Tsunehiko; Abe, Yoshihiro; Hirobe, Masaaki ΑU Fac. Pharm. Sci., Univ. Tokyo, Tokyo, 113, Japan CS Tetrahedron (1983), 39(20), 3253-60 SO CODEN: TETRAB; ISSN: 0040-4020 DTJournal English LAREFERENCE 5 AN97:84392 CA ΤI Chromatography of amidophosphoric acid derivatives ΑU Kasparek, Frantisek CS Fac. Nat. Sci., Palacky Univ., Olomouc, Czech. SO Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium (1982), 73 (Chem. 21), 11-16 CODEN: AUONAD; ISSN: 0472-9005 DTJournal LA English

REFERENCE 6

```
AN
    95:254 CA
     Diphenyl amidophosphates, their synthesis, determination of phosphorus,
TI
     and biological activity
     Roubinek, F.; Bedrnik, P.; Cech, M.; Danek, J.; Budesinsky, Z.
ΑU
     Vyzk. Ustav Farm. Biochem., Prague, Czech.
CS
     Cesko-Slovenska Farmacie (1980), 29(3-4), 90-4
SO
     CODEN: CKFRAY; ISSN: 0009-0530
     Journal
DT
     Czech
LA
REFERENCE 7
AN
     93:45468 CA
     Solvolysis of diphenyl amidophosphates in aqueous alcoholic media
ΤI
     Kasparek, Frantrisek; Mollin, Jiri
ΑU
     Inorq. Phys. Chem. Dep., Palacky Univ., Olomouc, 771 46, Czech.
CS
     Collection of Czechoslovak Chemical Communications (1980), 45(2), 386-96
SO
     CODEN: CCCCAK; ISSN: 0366-547X
     Journal
DT
     English
LA
REFERENCE 8
ΑN
     90:21849 CA
     Phosphoric amides. 1. Phosphorus-nitrogen vs. nitrogen-carbon bond
TI
     cleavage in acidic solvolysis of N-alkyl phosphoramidates and
     phosphinamidates
     Modro, Tomasz A.; Lawry, Mary A.; Murphy, Elaine
ΑU
     Dep. Chem., Univ. Toronto, Toronto, ON, Can.
CS
     Journal of Organic Chemistry (1978), 43(26), 5000-6
SO
     CODEN: JOCEAH; ISSN: 0022-3263
DT
     Journal
     English
LA
REFERENCE 9
AN
     86:154832 CA
     Mechanism of alkali-catalyzed hydrolysis of diphenyl amidophosphates
TI
     Mollin, J.; Veverka, F.; Kasparek, F.
ΑU
     Palacky Univ., Olomouc, Czech.
CS
     Collection of Czechoslovak Chemical Communications (1976), 41(11), 3245-55
SO
     CODEN: CCCCAK; ISSN: 0010-0765
DT
     Journal
LA
     English
REFERENCE 10
AN
     82:124968 CA
     Alkaline hydrolysis of diphenyl N-alkyl(aryl)phosphoramidates
ΤI
ΑU
     Kasparek, Frantisek
CS
     Prirodoved. Fak., Palackeho Univ., Olomouc, Czech.
     Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium
SO
     (1974), 45 (Chemica 14), 23-8
     CODEN: AUONAD; ISSN: 0472-9005
DT
     Journal
LA
     German
L2
     ANSWER 107 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
     33950-34-4 REGISTRY
RN
     Phosphoramidic acid, phenethyl-, diphenyl ester (8CI) (CA INDEX NAME)
CN
FS
     3D CONCORD
MF
     C20 H20 N O3 P
LC
     STN Files: BEILSTEIN*, CA, CAPLUS
         (*File contains numerically searchable property data)
```

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 75:117724 CA

TI Structure-reactivity correlation for the hydrolysis of phosphoramidate monoanions

AU Benkovic, Stephen J.; Sampson, Eric J.

CS Dep. Chem., Pennsylvania State Univ., University Park, PA, USA

SO Journal of the American Chemical Society (1971), 93(16), 4009-16

CODEN: JACSAT; ISSN: 0002-7863

DT Journal

LA English

L2 ANSWER 108 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 33073-77-7 REGISTRY

CN Phosphoric acid, (2-hydroxy-3-cyclohexen-1-yl)methyl diphenyl ester, cis-(8CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H21 O5 P

LC STN Files: CA, CAPLUS

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 75:76219 CA

TI Synthesis of some hydroxycyclohexylcarbinol phosphates and related compounds

AU Chakraborti, S. K.

CS Dep. Chemother., Chittaranjan Natl. Cancer Res. Cent., Calcutta, India

Journal of the Indian Chemical Society (1971), 48(5), 475-82 CODEN: JICSAH; ISSN: 0019-4522

DT Journal

SO

LA English

L2 ANSWER 109 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 33026-78-7 REGISTRY

CN Phosphoric acid, cyclohexylmethyl diphenyl ester (8CI, 9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C19 H23 O4 P

LC STN Files: BEILSTEIN*, CA, CAPLUS

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 87:151287 CA
- TI Organic reactions at alumina surfaces. A mechanistic and synthetic study of sulfonate ester elimination reactions effected by chromatographic alumina
- AU Posner, Gary H.; Gurria, George M.; Babiak, Kevin A.
- CS Dep. Chem., Johns Hopkins Univ., Baltimore, MD, USA
- SO Journal of Organic Chemistry (1977), 42(19), 3173-80 CODEN: JOCEAH; ISSN: 0022-3263
- DT Journal
- LA English

REFERENCE 2

- AN 75:76219 CA
- TI Synthesis of some hydroxycyclohexylcarbinol phosphates and related compounds
- AU Chakraborti, S. K.
- CS Dep. Chemother., Chittaranjan Natl. Cancer Res. Cent., Calcutta, India
- SO Journal of the Indian Chemical Society (1971), 48(5), 475-82 CODEN: JICSAH; ISSN: 0019-4522
- DT Journal
- LA English
- L2 ANSWER 110 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 30765-17-4 REGISTRY
- CN Adenosine, 5'-(benzylphosphonoamino)-5'-deoxy-, bis(p-nitrophenyl) ester (8CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C29 H27 N8 O10 P
- LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

Absolute stereochemistry.

```
1 REFERENCES IN FILE CA (1907 TO DATE)
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

```
AN
     75:152034 CA
ΤI
     5'-Amido analogs of adenosine 3',5'-cyclic monophosphate
     Jastorff, Bernd; Murayama, Akira; Cramer, Friedrich; Hettler, Hans
ΑU
     Dep. Chem., Max-Planck-Inst. Exp. Med., Goettingen, Fed. Rep. Ger.
CS
     Journal of Organic Chemistry (1971), 36(20), 3029-33
     CODEN: JOCEAH; ISSN: 0022-3263
DT
     Journal
     English
LΑ
L2
     ANSWER 111 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     21870-03-1 REGISTRY
     Phosphoric acid, p-methoxybenzyl diphenyl ester (8CI) (CA INDEX NAME)
CN
```

OTHER CA INDEX NAMES: Benzyl alcohol, p-methoxy-, diphenyl phosphate (8CI)

CNFS 3D CONCORD

C20 H19 O5 P MF

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ΑN 71:21145 CA TIAlkylation of mercaptans and inhibition of "SH enzymes" by saligenin cyclic phosphate and phosphorothiolate esters ΑU Ohkawa, Hideo; Eto, Morifusa CS Kyushu Univ., Fukuoka, Japan Agricultural and Biological Chemistry (1969), 33(3), 443-51 SO CODEN: ABCHA6; ISSN: 0002-1369 DT Journal LAEnglish ANSWER 112 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2RN18350-95-3 REGISTRY Phosphoramidic acid, (phenylmethyl)-, bis(2,6-dimethylphenyl) ester (9CI) CN(CA INDEX NAME) OTHER CA INDEX NAMES: 2,6-Xylenol, N-benzylphosphoramidate (2:1) Phosphoramidic acid, benzyl-, di-2,6-xylyl ester (8CI) CNMFC23 H26 N O3 P LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT (*File contains numerically searchable property data)

2 REFERENCES IN FILE CA (1907 TO DATE) 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- ΑN 108:167600 CA
- ΤI Preparation of sterically hindered phosphoramidates
- ΑU Talley, John J.
- Res. Dev. Cent., Gen. Electr., Schenectady, NY, 12301, USA CS
- SO Journal of Chemical and Engineering Data (1988), 33(2), 221-2
- CODEN: JCEAAX; ISSN: 0021-9568
- DT Journal
- English LΑ

REFERENCE 2

- ΑN 68:105299 CA
- Structural effects in reactions of organophosphorus compounds. I. ΤI
- Reactions of phosphorus oxychloride with hindered phenols
- Kosolapoff, Gennady M.; Arpke, Charles K.; Lamb, Robert W.; Reich, Hans ΑU
- Ff. J. Seiler Res. Lab. OAR, U. S. Air Force Acad., CO, USA CS
- SO Journal of the Chemical Society [Section] C: Organic (1968), (7), 815-18 CODEN: JSOOAX; ISSN: 0022-4952
- DΤ Journal
- LΑ English
- ANSWER 113 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN 1.2
- RN14355-05-6 REGISTRY
- CNPhosphoramidic acid, ethyl[m-(trifluoromethyl)benzyl]-,
 - bis(.alpha.,.alpha.,.alpha.-trifluoro-m-tolyl) ester (8CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

- CNm-Cresol, .alpha.,.alpha.,.trifluoro-, ethyl[m-
- (trifluoromethyl)benzyl]phosphoramidate (2:1) FS
- 3D CONCORD
- MF C24 H19 F9 N O3 P
- STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB LC(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

```
69:35715 CA
AN
ΤI
    N-Fluoroalkyl (and Fluoroalkylaryl) phosphoramidates
    Blake, Edward S.; DeBrunner, Ralph E.; Webster, James A.
IN
    Monsanto Research Corp.
PΑ
    U.S., 7 pp.
SO
    CODEN: USXXAM
DT
    Patent
    English
LA
FAN CNT 2
    PATENT NO.
                                      APPLICATION NO. DATE
                   KIND DATE
                                       ______
                   ----
                                      US 1964-412990 19641123
    US 3369064
                   Α
                         19680213
PΙ
    BE 672659
                    Α
                         19660523
                                      BE 1965-672659 19651122
PRAI US 1964-412990 19641123
REFERENCE 2
    67:32458 CA
    Phosphoramidates containing fluorine and functional fluids
TI
    DeBrunner, Ralph E.; Blake, Edward S.; Webster, James A.
```

AN

IN

PA Monsanto Co. SO

Belg., 30 pp. CODEN: BEXXAL

Patent DТ

French LA

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
			-		
ΡI	BE 672659	Α	19660523	BE 1965-672659	19651122
	US 3369064	Α	19680213	US 1964-412990	19641123
	TTG 1064 410000	10011	100		

PRAI US 1964-412990 19641123

ANSWER 114 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN13879-47-5 REGISTRY

Phosphorothioic acid, O,O-diphenyl S-(phenylmethyl) ester (9CI) (CA INDEX CNNAME)

OTHER CA INDEX NAMES:

Phosphorothioic acid, S-benzyl O,O-diphenyl ester (8CI)

OTHER NAMES:

CN

O, O-Diphenyl S-benzyl phosphorothioate CN

O, O-Diphenyl S-benzyl thiophosphate

FS 3D CONCORD

MF C19 H17 O3 P S

STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT LC

(*File contains numerically searchable property data)

$$\begin{array}{c} \text{O} \\ \parallel \\ \text{PhO-P-S-CH}_2\text{-Ph} \\ \parallel \\ \text{OPh} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 4 REFERENCES IN FILE CA (1907 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ΑN 103:71503 CA

ΤI O, O-Diphenyl S-benzyl thiophosphate

Bliznyuk, N. K.; Klimova, T. A.; Protasova, L. D.; Bliznyuk, A. N. IN

```
All-Union Scientific-Research Institute of Phytopathology, USSR
    U.S.S.R. From: Otkrytiya, Izobret. 1984, (48), 87.
    CODEN: URXXAF
DT
    Patent
LA
    Russian
FAN.CNT 1
    PATENT NO.
                  KIND DATE
                                      APPLICATION NO. DATE
     -----
                                       ______
    SU 1131878
                    A1
                          19841230
                                      SU 1983-3645385 19830505
PRAI SU 1983-3645385 19830505
REFERENCE 2
    94:92640 CA
ΑN
TI
    Phosphorothioate
    Ouchi Shinko Chemical Industrial Co., Ltd., Japan
    Jpn. Kokai Tokkyo Koho, 10 pp.
    CODEN: JKXXAF
DT
    Patent
LA
    Japanese
FAN.CNT 1
    PATENT NO.
                   KIND DATE
                                       APPLICATION NO. DATE
     -----
                                       -----
    JP 55128591 A2 19801004
                                       JP 1979-36194 19790329
    JP 56043387
                    B4
                         19811012
PRAI JP 1979-36194 19790329
REFERENCE 3
AN
    91:80875 CA
TI
    Electrosynthesis of heteroatom-heteroatom bonds. 4. Direct
    cross-coupling of dialkyl (or diaryl) phosphites with disulfides by a
    sodium bromide promoted electrolytic procedure
ΑU
    Torii, Sigeru; Tanaka, Hideo; Sayo, Noboru
CS
    Sch. Eng., Okayama Univ., Okayama, 700, Japan
    Journal of Organic Chemistry (1979), 44(16), 2938-41
SO
    CODEN: JOCEAH; ISSN: 0022-3263
DT
    Journal
    English
LA
REFERENCE 4
ΑN
    66:115455 CA
ΤI
    S-Benzyl monothiophosphates
TN
    Kado, Masaru; Maeda, Taizo; Sugiyama, Hironari
    Ihara Chemicals Co., Ltd.
PΑ
SO
    Jpn. Tokkyo Koho, 3 pp.
    CODEN: JAXXAD
DT
    Patent
LA
    Japanese
FAN.CNT 1
    PATENT NO.
                   KIND DATE
                                       APPLICATION NO. DATE
    -----
                         _____
                                       -----
    JP 42001541
PΙ
                    B4
                         19670125
                                       JP
                                                       19640319
    ANSWER 115 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
RN
    10577-64-7 REGISTRY
CN
    Phosphoric acid, (4-nitrophenyl) methyl diphenyl ester (9CI) (CA INDEX
    NAME)
OTHER CA INDEX NAMES:
    Benzyl alcohol, p-nitro-, diphenyl phosphate
    Phosphoric acid, p-nitrobenzyl diphenyl ester (6CI, 7CI, 8CI)
OTHER NAMES:
    Diphenyl 4-nitrobenzyl phosphate
CN
FS
    3D CONCORD
MF
    C19 H16 N O6 P
LC
    STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
        (*File contains numerically searchable property data)
```

$$\begin{array}{c|c} & & & \\ & & & \\ \text{CH}_2-\text{O}-\text{P}-\text{OPh} \\ & & \\ \text{OPh} \end{array}$$

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

- AN 80:66128 CA
- TI Electrochemical reduction of diphenyl 4-nitrobenzyl phosphate
- AU Pak, Chong Min; Gulick, Wilson M., Jr.
- CS Dep. Chem., Florida State Univ., Tallahassee, FL, USA
- SO Electrochimica Acta (1973), 18(12), 1025-32
 - CODEN: ELCAAV; ISSN: 0013-4686
- DT Journal
- LA English

REFERENCE 2

- AN 65:28992 CA
- TI Examination of phosphorus hyperfine coupling constants in nitroaromatic
- anion radicals
- AU Gulick, Wilsom M., Jr.; Geske, David H.
- CS Cornell Univ., Ithaca, NY
- SO Journal of the American Chemical Society (1966), 88(13), 2928-34 CODEN: JACSAT; ISSN: 0002-7863
- DT Journal
- LA English
- L2 ANSWER 116 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 7761-68-4 REGISTRY
- CN Phosphoramidic acid, [2-(3,4-dimethoxyphenyl)ethyl]-, diphenyl ester (9CI) (CA INDEX NAME)
- OTHER CA INDEX NAMES:
- CN Phosphoramidic acid, (3,4-dimethoxyphenethyl)-, diphenyl ester (8CI)
- FS 3D CONCORD
- MF C22 H24 N O5 P
- LC STN Files: BEILSTEIN*, CA, CAPLUS, RTECS*
 - (*File contains numerically searchable property data)

$$\begin{array}{c|c} \text{CH}_2\text{--}\text{CH}_2\text{--}\text{NH}\text{--}\text{P--}\text{OPh} \\ \text{OPh} \\ \\ \text{OMe} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- L2 ANSWER 117 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

ANSWER 118 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2RN4218-62-6 REGISTRY CN Phosphoric acid, diphenyl phenylmethyl ester (9CI) (CA INDEX NAME) OTHER CA INDEX NAMES: Benzyl phenyl phosphate ((C7H7O)(PhO)2PO) (6CI, 7CI) Phosphoric acid, benzyl diphenyl ester (8CI) CN OTHER NAMES: O-Benzyl O,O-diphenyl phosphate CNFS 3D CONCORD MFC19 H17 O4 P BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX, LCSTN Files:

(*File contains numerically searchable property data)

$$\begin{array}{c} \begin{smallmatrix} \text{O} \\ \parallel \\ \text{PhO-P-O-CH}_2\text{-Ph} \\ \mid \\ \text{OPh} \end{smallmatrix}$$

TOXCENTER

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11 REFERENCES IN FILE CA (1907 TO DATE)
11 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

139:117481 CA

ΑN

TI An Improved Method for Lewis Acid Catalyzed Phosphoryl Transfer with Ti(t-BuO)4

AU Jones, Simon; Selitsianos, Dimitrios; Thompson, Kate J.; Toms, Steven M. CS School of Natural Sciences-Chemistry, University of Newcastle upon Tyne, Newcastle upon Tyne, NE1 7RU, UK

SO Journal of Organic Chemistry (2003), 68(13), 5211-5216 CODEN: JOCEAH; ISSN: 0022-3263

PB American Chemical Society

DT Journal

LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

```
AN
     137:384913 CA
     A Simple and Effective Method for Phosphoryl Transfer Using TiCl4
TΙ
     Catalysis
     Jones, Simon; Selitsianos, Dimitrios
AU
     Department of Chemistry, University of Newcastle upon Tyne Bedson
CS
     Building, Newcastle upon Tyne, NE1 7RU, UK
SO
     Organic Letters (2002), 4(21), 3671-3673
     CODEN: ORLEF7; ISSN: 1523-7060
     American Chemical Society
PB
DT
     Journal
     English
LA
              THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 10
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
REFERENCE 3
AN
     121:133265 CA
TI
     Direct transformation of trialkyl phosphates into organolithium compounds
     by a DTBB-catalyzed lithiation
     Guijarro, David; Mancheno, Balbino; Yus, Miguel
ΑU
     Dep. Quimica Org., Univ. Alicante, Alicante, 03080, Spain
CS
     Tetrahedron (1994), 50(28), 8551-8
SO
     CODEN: TETRAB; ISSN: 0040-4020
DΤ
     Journal
LA
     English
REFERENCE 4
     119:138482 CA
AN
     Unprecedented .gamma.-selective nucleophilic substitution reaction of
TI
     allylmetal reagents: a new cross-coupling of diphenyl phosphates with
     allylic Grignard reagents
     Yanagisawa, A.; Hibino, H.; Nomura, N.; Yamamoto, H.
ΑU
     Sch. Eng., Nagoya Univ., Nagoya, Japan
CS
SO
     Journal of the American Chemical Society (1993), 115(13), 5879-80
     CODEN: JACSAT; ISSN: 0002-7863
DT
     Journal
LΑ
     English
REFERENCE 5
AN
     87:21957 CA
TI
     Capture reactions of short-lived radicals. XVI. Reactions of
     trimethylstannyl and trimethylsilyl radicals with tetraphenyldiphosphine,
     phosphorus esters and per esters
ΑU
     Avar, Geza; Neumann, Wilhelm P.
CS
     Univ. Dortmund, Dortmund, Fed. Rep. Ger.
SO
     Journal of Organometallic Chemistry (1977), 131(2), 207-14
     CODEN: JORCAI; ISSN: 0022-328X
DT
     Journal
     German
LA
REFERENCE 6
AN
     71:21145 CA
ΤI
     Alkylation of mercaptans and inhibition of "SH enzymes" by saligenin
     cyclic phosphate and phosphorothiolate esters
ΑU
     Ohkawa, Hideo; Eto, Morifusa
CS
     Kyushu Univ., Fukuoka, Japan
SO
     Agricultural and Biological Chemistry (1969), 33(3), 443-51
     CODEN: ABCHA6; ISSN: 0002-1369
DT
     Journal
LΑ
     English
REFERENCE 7
```

AN

TΙ

ΑU

67:21239 CA

Chlorination of quinquevalent phosphorus esters

Green, Michael; Thorp, Deanna M.

```
Univ. Bristol, Bristol, UK
CS
     Journal of the Chemical Society [Section] C: Organic (1967), (5), 731-4
SO
     CODEN: JSOOAX; ISSN: 0022-4952
DT
     Journal
     English
LΑ
REFERENCE 8
     65:88244 CA
AN
     Polarographic activity of esters of phosphoric acid
TI
     Mairanovskii, V. G.; Fokina, L. N.; Vakulova, L. A.; Samokhvalor, G. I.
ΑU
     Zhurnal Obshchei Khimii (1966), 36(7), 1345-6
SO
     CODEN: ZOKHA4; ISSN: 0044-460X
     Journal
DT
     Russian
LA
REFERENCE 9
AN
     63:97367 CA
     Mechanism of chlorination of phosphorus esters
ΤI
     Green, M.; Thorp, D. M.
ΑU
     Univ. Bristol, UK
CS
     Chemical Communications (London) (1965), (19), 466-7
SO
     CODEN: CCOMA8; ISSN: 0009-241X
DT
     Journal
LA
     English
REFERENCE 10
     58:55628 CA
AN
     Potentiation and neurotoxicity induced by certain organophosphates
TI
     Casida, John E.; Baron, Ronald L.; Eto, Morifusa; Engel, Judith L.
ΑU
     Univ. of Wisconsin, Madison
CS
     Biochemical Pharmacology (1963), 12, 73-83
SO
```

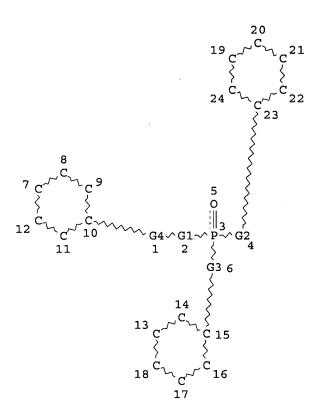
CODEN: BCPCA6; ISSN: 0006-2952

DT

LA

=>

Journal Unavailable



VAR G1=O/S/N
VAR G2=O/N/S
VAR G3=O/S/N
REP G4=(1-10) CH2
ENTER (DIS), GRA, NOD, BON OR ?:end
L1 STRUCTURE CREATED

=> save temp l1
ENTER NAME OR (END):sn10018971,dis
SN10018971,DIS IS NOT A VALID SAVED NAME
Enter the name you wish to use for the saved query,
answer set, or L-number list. The name must:

- 1. Begin with a letter,
- 2. Have 1-12 characters,
- 3. Contain only letters (A-Z) and numbers (0-9),
- End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L-number list.
- 5. Not already be in use as a saved name,
- 6. Not be END, SAV, SAVE, SAVED
- 7. Not have the form of an L-number (Lnnn). ENTER NAME OR (END):sn10018971/q
 QUERY L1 HAS BEEN SAVED AS 'SN10018971/Q'

=> search l1 sss full FULL SEARCH INITIATED 16:50:38 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 88619 TO ITERATE

100.0% PROCESSED 88619 ITERATIONS SEARCH TIME: 00.00.02

118 ANSWERS

L2 118 SEA SSS FUL L1

=> dis 12 1- sub bib YOU HAVE REQUESTED DATA FROM 118 ANSWERS - CONTINUE? Y/(N):y

- L2 ANSWER 1 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 601522-10-5 REGISTRY
- CN Phosphoric acid, (4-ethenylphenyl) methyl diphenyl ester, polymer with 1-(chloromethyl)-4-ethenylbenzene and ethenylbenzene, compd. with

N,N-dimethyl-1-hexadecanamine (9CI) (CA INDEX NAME)

(C21 H19 O4 P . C9 H9 Cl . C8 H8)x . x C18 H39 N

PCT Polystyrene

SR CA

MF

LC STN Files: CA, CAPLUS

CM 1

CRN 112-69-6 CMF C18 H39 N

 $Me_2N^-(CH_2)_{15}^-Me$

CM 2

CRN 601522-09-2

CMF (C21 H19 O4 P . C9 H9 Cl . C8 H8) x

CCI PMS

CM 3

CRN 601522-04-7 CMF C21 H19 O4 P

$$\begin{array}{c|c} \text{CH} & \text{CH}_2 \\ \downarrow \\ \text{PhO-} & \text{P-O-CH}_2 \\ \text{OPh} \end{array}$$

CM 4

CRN 1592-20-7 CMF C9 H9 Cl

CM 5

CRN 100-42-5 CMF C8 H8

 $H_2C = CH - Ph$

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 139:261884 CA

TI Flame retardancy of polystyrene nanocomposites based on an oligomeric organically-modified clay containing phosphate

```
ΑU
     Zheng, Xiaoxia; Wilkie, Charles A.
     Department of Chemistry, Marquette University, Milwaukee, WI, 53233, USA
CS
     Polymer Degradation and Stability (2003), 81(3), 539-550
SO
     CODEN: PDSTDW; ISSN: 0141-3910
PΒ
     Elsevier Science B.V.
DT
     Journal
LA
     English
              THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 17
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
     ANSWER 2 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     601522-09-2 REGISTRY
     Phosphoric acid, (4-ethenylphenyl) methyl diphenyl ester, polymer with
CN
     1-(chloromethyl)-4-ethenylbenzene and ethenylbenzene (9CI) (CA INDEX
MF
     (C21 H19 O4 P . C9 H9 Cl . C8 H8)x
CI
     PMS, COM
PCT
     Polystyrene
SR
     CA
     CM
          1
         601522-04-7
     CRN
          C21 H19 O4 P
     CMF
       - O-- CH2
    · P
     OPh
     CM
          2
     CRN
          1592-20-7
     CMF
          C9 H9 Cl
             CH=CH2
     CM
          3
     CRN
          100-42-5
     CMF
          C8 H8
H_2C = CH - Ph
     ANSWER 3 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
RN
     601522-04-7 REGISTRY
     Phosphoric acid, (4-ethenylphenyl)methyl diphenyl ester (9CI) (CA INDEX
CN
     NAME)
FS
     3D CONCORD
MF
     C21 H19 O4 P
CI
     COM
SR
     CA
LC
     STN Files:
                  CA, CAPLUS
```

$$\begin{array}{c|c} CH = CH_2 \\ \hline \\ PhO - P - O - CH_2 \\ \hline \\ OPh \end{array}$$

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 139:261884 CA

TI Flame retardancy of polystyrene nanocomposites based on an oligomeric organically-modified clay containing phosphate

AU Zheng, Xiaoxia; Wilkie, Charles A.

CS Department of Chemistry, Marquette University, Milwaukee, WI, 53233, USA

SO Polymer Degradation and Stability (2003), 81(3), 539-550

CODEN: PDSTDW; ISSN: 0141-3910

PB Elsevier Science B.V.

DT Journal

LA English

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 527759-19-9 REGISTRY

CN Phosphoramidic acid, [(4-ethenylphenyl)methyl]-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H20 N O3 P

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} \text{CH} & \text{CH}_2 \\ \downarrow \\ \text{PhO} - \begin{array}{c} \text{P-NH-CH}_2 \\ \downarrow \\ \text{OPh} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:385908 CA

TI Organophosphorus compounds having polymerizable unsaturated bonds

IN Fujita, Akinori; Wakata, Yuichi

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO. DATE

A2 20030521 JP 2001-346937 20011113

PRAI JP 2001-346937 20011113

L2 ANSWER 5 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 519040-35-8 REGISTRY

JP 2003146994

CN Phosphoramidic acid, [3-[[(diphenoxyphosphinyl)amino]methyl]-3,5,5-trimethylcyclohexyl]-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C34 H40 N2 O6 P2

SR CA

PΤ

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:369701 CA

TI Thermally stable fireproofing phosphoramides, their manufacture, and fire-resistant resin compositions containing them

IN Onchi, Yoko; Takahashi, Ikuo; Imanishi, Shinichiro

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2003128685 A2 20030508 JP 2001-329213 20011026

PI JP 2003128685 A2 200 PRAI JP 2001-329213 20011026

L2 ANSWER 6 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-36-5 REGISTRY

CN Phosphoric acid, [4-[[[bis(2,6-dimethylphenoxy)phosphinyl]oxy]methyl]cyclo hexyl]methyl 2,6-dimethylphenyl [4-(hydroxymethyl)cyclohexyl]methyl ester (9CI) (CA INDEX NAME)

MF C40 H56 O9 P2

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c} \text{CH}_2-\text{OH} \\ \\ \text{CH}_2 \\ \\ \text{O} \\ \\ \text{$$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

	PATENT NO.	KIND	DATE	APPLIC	CATION NO.	DATE
	JP 2002338826	A2	20021127	JP 200	1-153171	20010522
т	TD 2001 152171	20010	F 2 2			

PRAI JP 2001-153171 20010522

L2 ANSWER 7 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-35-4 REGISTRY

CN Phosphoric acid, bis[[4-[[[bis(2,6-dimethylphenoxy)phosphinyl]oxy]methyl]c yclohexyl]methyl] 2,6-dimethylphenyl ester (9CI) (CA INDEX NAME)

MF C56 H73 O12 P3

SR CA

LC STN Files: CA, CAPLUS

PAGE 1-A

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2002338826 A2 20021127 JP 2001-153171 20010522

PRAI JP 2001-153171 20010522

L2 ANSWER 8 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-34-3 REGISTRY

CN Phosphoric acid, bis(2,6-dimethylphenyl) [4-(hydroxymethyl)cyclohexyl]meth yl ester (9CI) (CA INDEX NAME)

MF C24 H33 O5 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002338826	A2	20021127	JP 2001-153171	20010522
PRAI	JP 2001-153171	20010	522		

L2 ANSWER 9 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-33-2 REGISTRY

CN Phosphoric acid, 1,4-cyclohexanediylbis(methylene) tetrakis(2,6dimethylphenyl) ester (9CI) (CA INDEX NAME)

MF C40 H50 O8 P2

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PA	PATENT NO.		DATE	APPLICATION NO.	DATE
PI JP	2002338826	A2	20021127	JP 2001-153171	20010522
DDAT TO	0001 150151				

PRAI JP 2001-153171 20010522

L2 ANSWER 10 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-30-9 REGISTRY

CN Phosphoric acid, [4-[[(diphenoxyphosphinyl)oxy]methyl]cyclohexyl]methyl [4-(hydroxymethyl)cyclohexyl]methyl phenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C34 H44 O9 P2

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} & \text{OPh} \\ & \text{CH}_2-\text{O-P-O-CH}_2 \\ & \text{O} \\ & \text{CH}_2-\text{O-P-OPh} \\ & \text{OPh} \\ \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2002338826	A2	20021127	JP 2001-153171	20010522
-	TD 0004 450454	00010			

PRAI JP 2001-153171 20010522

L2 ANSWER 11 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-29-6 REGISTRY

CN Phosphoric acid, bis[[4-[[(diphenoxyphosphinyl)oxy]methyl]cyclohexyl]methy l] phenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C46 H53 O12 P3

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} & & & & & \\ & & & & \\$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 2002338826 A2 20021127 JP 2001-153171

PRAI JP 2001-153171 20010522

L2 ANSWER 12 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-28-5 REGISTRY

CN Phosphoric acid, [4-(hydroxymethyl)cyclohexyl]methyl diphenyl ester (9CI)

20010522

(CA INDEX NAME)

FS 3D CONCORD

MF C20 H25 O5 P

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} \text{CH}_2\text{-O-P-OPh} \\ \text{OPh} \\ \text{OPh} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets

therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 2002338826 A2 20021127 JP 2001-153171 20010522

PRAI JP 2001-153171 20010522

L2 ANSWER 13 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 476371-27-4 REGISTRY

CN Phosphoric acid, 1,4-cyclohexanediylbis(methylene) tetraphenyl ester (9CI)

(CA INDEX NAME)

FS 3D CONCORD

MF C32 H34 O8 P2

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:5222 CA

TI Thermoplastic resin compositions, heat sensitive adhesives and sheets therewith

IN Takahashi, Ikuo; Mizumoto, Kiyoharu

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

Patent

LA Japanese

FAN.CNT 1

DT

PΙ

FS

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2002338826	A2	20021127	JP 2001-153171	20010522
r	TD 2001 152171	20010	E22		

PRAI JP 2001-153171 20010522

L2 ANSWER 14 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 474879-12-4 REGISTRY

CN Phosphoramidic acid, (phenylmethyl) -, bis[5-methyl-2-(1-methylothyl) gyalabayyll agter (SCI) (CA INDEX NAME)

methylethyl)cyclohexyl] ester (9CI) (CA INDEX NAME)

3D CONCORD

MF C27 H46 N O3 P

SR Chemical Library

LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

RN 438541-45-8 REGISTRY

CN Phosphorothioic acid, S-[(4-nitrophenyl)methyl] O,O-diphenyl ester (9CI)

(CA INDEX NAME)

FS 3D CONCORD

MF C19 H16 N O5 P S

SR Chemical Library

LC STN Files: CHEMCATS

$$CH_2-S-P-OPh$$
OPh

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 16 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 406471-98-5 REGISTRY

CN Phosphoramidic acid, (phenylmethyl)-, bis(2,3-dimethylphenyl) ester (9CI)

(CA INDEX NAME)
FS 3D CONCORD

MF C23 H26 N O3 P

SR Chemical Library

LC STN Files: CHEMCATS

$$\begin{array}{c|c} & \text{NH-CH}_2\text{-Ph} \\ \hline \\ \text{Me} & \text{O-P-O-Me} \\ \hline \\ \text{Me} & \text{Me} \\ \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 17 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 406471-86-1 REGISTRY

CN Phosphoramidic acid, (phenylmethyl)-, bis(4-chlorophenyl) ester (9CI) (CA

INDEX NAME)

FS 3D CONCORD

MF C19 H16 Cl2 N O3 P

SR Chemical Library

LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

RN 397848-74-7 REGISTRY

CN Phosphorothioic acid, S-[2-(4-nitrophenyl)ethyl] O,O-diphenyl ester (9CI)

(CA INDEX NAME)

FS 3D CONCORD

MF C20 H18 N O5 P S

SR Chemical Library

LC STN Files: CHEMCATS

$$CH_2-CH_2-S-P-OPh$$
OPh

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 19 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 382596-16-9 REGISTRY

CN Phosphoramidic acid, [1,3-phenylenebis(methylene)]bis-, tetraphenyl ester

(9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C32 H30 N2 O6 P2

SR CA

LC STN Files: CA, CAPLUS

$$\begin{array}{c|c} \text{OPh} & \text{OPh} \\ | \\ \text{PhO-} & \text{P-} & \text{NH-} & \text{CH}_2 \\ | \\ | \\ \text{O} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 136:54631 CA

TI Halogen-free epoxy resin compositions fireproofed by phosphoric amides

IN Saito, Seiichi; Mori, Takahiro

PA Asahi Denka Kogyo K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

 $_{
m PI}$

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2001354836 A2 20011225 JP 2000-177676 20000614

PRAI JP 2000-177676 20000614

L2 ANSWER 20 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 371754-82-4 REGISTRY

CN Phosphoric acid, (3-bromophenyl)methyl diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3-Bromobenzyl diphenyl phosphate

FS 3D CONCORD

MF C19 H16 Br O4 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 135:344346 CA

TI Annulation of Aromatic Imines via Directed C-H Activation with Wilkinson's Catalyst

AU Thalji, R. K.; Ahrendt, K. A.; Bergman, R. G.; Ellman, J. A.

CS Center for New Directions in Organic Synthesis Department of Chemistry, University of California, Berkeley, CA, 94720, USA

SO Journal of the American Chemical Society (2001), 123(39), 9692-9693 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 21 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 371159-72-7 REGISTRY

CN Phosphoric acid, [3-[(diphenoxyphosphinyl)oxy]cyclohexyl]methyl diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C31 H32 O8 P2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

$$\begin{array}{c|c} \text{OPh} & \text{OPh} \\ | & | \\ | \text{PhO-P-O} \\ | | & | \\ | & \text{O} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 135:344286 CA

TI Preparation of phosphoric acid triesters as flame retardants, plasticizers, or stabilizers

IN Onchi, Yoko; Takahashi, Ikuo

PA Daicel Chemical Industries, Ltd., Japan

SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DT Patent

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LA
     Japanese
FAN.CNT 1
     PATENT NO.
                    KIND DATE
                                         APPLICATION NO. DATE
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                                         WO 2001-JP3423
     WO 2001081356
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                           20011101
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         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
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                           20030122
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                                          US 2001-18971
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PRAI JP 2000-125777
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     JP 2000-125779
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                     20000817
    JP 2000-339664
                     20001107
     WO 2001-JP3423
                     20010420
             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
    ANSWER 22 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RΝ
     371158-68-8 REGISTRY
CN
    Phosphoric acid, [5-[(diphenoxyphosphinyl)oxy]-3,3-
     dimethylcyclohexyl]methyl diphenyl ester (9CI) (CA INDEX NAME)
FS
     3D CONCORD
     C33 H36 O8 P2
MF
SR
     CA
LÇ
    STN Files: CA, CAPLUS, CASREACT, USPATFULL
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    Me
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  Me
                    0
PhO-
    OPh
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
              1 REFERENCES IN FILE CA (1907 TO DATE)
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN135:344286 CA TI Preparation of phosphoric acid triesters as flame retardants, plasticizers, or stabilizers Onchi, Yoko; Takahashi, Ikuo IN PADaicel Chemical Industries, Ltd., Japan SO PCT Int. Appl., 86 pp. CODEN: PIXXD2 ידת Patent LA Japanese FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE _____ ----------PΙ

PI WO 2001081356 A1 20011101 WO 2001-JP3423 20010420 W: CN, JP, KR, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR

EP 1277758 A1 20030122 EP 2001-921971 20010420

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IE, FI, CY, TR
     TW 523520
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                      A1
                           20030612
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PRAI JP 2000-125777
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     JP 2000-125778
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     JP 2000-339664
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     WO 2001-JP3423
                     20010420
RE.CNT 11
              THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
     ANSWER 23 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     371158-67-7 REGISTRY
     Phosphoric acid, 3-cyclohexen-1-ylmethyl diphenyl ester (9CI) (CA INDEX
CN
     NAME)
FS
     3D CONCORD
     C19 H21 O4 P
MF
SR
     CA
LC
     STN Files: CA, CAPLUS, CASREACT, USPATFULL
       CH2-0-P
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              OPh
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
REFERENCE 1
AN
     135:344286 CA
TI
     Preparation of phosphoric acid triesters as flame retardants,
     plasticizers, or stabilizers
     Onchi, Yoko; Takahashi, Ikuo
ΙN
PA
     Daicel Chemical Industries, Ltd., Japan
SO
     PCT Int. Appl., 86 pp.
     CODEN: PIXXD2
DΤ
     Patent
LA
    Japanese
FAN.CNT 1
     PATENT NO.
                     KIND DATE
                                          APPLICATION NO. DATE
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PΤ
     WO 2001081356
                      A1
                           20011101
                                          WO 2001-JP3423
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            PT, SE, TR
                                         EP 2001-921971
     EP 1277758
                                                           20010420
                      A1
                           20030122
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI, CY, TR
     TW 523520
                      В
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    US 2003109736
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                           20030612
                                          US 2001-18971 20011226
PRAI JP 2000-125777
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    JP 2000-247140
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    JP 2000-339664
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    WO 2001-JP3423
                     20010420
RE.CNT 11
             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

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RN
    371158-63-3 REGISTRY
    Phosphoric acid, bicyclo[2.2.1]heptane-2,5-diylbis(methylene) tetraphenyl
CN
                 (CA INDEX NAME)
    ester (9CI)
FS
    3D CONCORD
MF
    C33 H34 O8 P2
SR
    CA
    STN Files: CA, CAPLUS, CASREACT, USPATFULL
LC
    OPh
      - O- CH2
    0
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
              1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
REFERENCE 1
AN
     135:344286 CA
TI
    Preparation of phosphoric acid triesters as flame retardants,
    plasticizers, or stabilizers
    Onchi, Yoko; Takahashi, Ikuo
IN
PΑ
    Daicel Chemical Industries, Ltd., Japan
SO
     PCT Int. Appl., 86 pp.
     CODEN: PIXXD2
DT
     Patent
    Japanese
LA
FAN.CNT 1
                                         APPLICATION NO. DATE
     PATENT NO.
                     KIND DATE
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PΙ
     WO 2001081356
                      A1
                           20011101
                                         WO 2001-JP3423
                                                           20010420
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        RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
            PT, SE, TR
                           20030122
                                         EP 2001-921971
                                                           20010420
     EP 1277758
                      A1
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, FI, CY, TR
                           20030311
                                          TW 2001-90109890 20010425
     TW 523520
                     В
     US 2003109736
                           20030612
                                          US 2001-18971 20011226
                      A1
PRAI JP 2000-125777
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     JP 2000-247140
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     JP 2000-339664
                      20001107
     WO 2001-JP3423
                      20010420
              THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT
       11
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
    ANSWER 25 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
     371158-62-2 REGISTRY
RN
     Phosphoric acid, 1,3-phenylenebis(methylene) tetraphenyl ester (9CI)
CN
     INDEX NAME)
FS
     3D CONCORD
MF
     C32 H28 O8 P2
SR
LC
     STN Files: CA, CAPLUS, CASREACT, USPATFULL
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ANSWER 24 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

L2

$$\begin{array}{c|c} \text{OPh} & \text{OPh} \\ | & \text{PhO-} & \text{P-} & \text{O-} & \text{CH}_2 \\ | & & \text{CH}_2 - \text{O-} & \text{P-} & \text{OPh} \\ | & & & \text{O} \\ \end{array}$$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

```
135:344286 CA
AN
    Preparation of phosphoric acid triesters as flame retardants,
TI
    plasticizers, or stabilizers
    Onchi, Yoko; Takahashi, Ikuo
IN
    Daicel Chemical Industries, Ltd., Japan
PΑ
    PCT Int. Appl., 86 pp.
SO
     CODEN: PIXXD2
דת
    Patent
LA
    Japanese
FAN.CNT 1
    PATENT NO.
                     KIND DATE
                                         APPLICATION NO. DATE
                           _____
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                    _ _ _ _
                     A1
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                                         WO 2001-JP3423 20010420
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        RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
            PT, SE, TR
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    EP 1277758
                           20030122
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                      В
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     JP 2000-125778
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     WO 2001-JP3423
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             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
```

ANSWER 26 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

371158-61-1 REGISTRY RN

Phosphoric acid, 1,2-phenylenebis(methylene) tetraphenyl ester (9CI) (CA CNINDEX NAME)

FS 3D CONCORD

MF C32 H28 O8 P2

SR CA

STN Files: CA, CAPLUS, CASREACT, USPATFULL LC

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

```
135:344286 CA
AN
     Preparation of phosphoric acid triesters as flame retardants,
TI
     plasticizers, or stabilizers
     Onchi, Yoko; Takahashi, Ikuo
IN
     Daicel Chemical Industries, Ltd., Japan
PA
     PCT Int. Appl., 86 pp.
SO
     CODEN: PIXXD2
DT
     Patent
LA
     Japanese
FAN.CNT 1
                                           APPLICATION NO. DATE
     PATENT NO.
                      KIND
                            DATE
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                            20011101
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         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
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                            20030122
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI, CY, TR
                                           TW 2001-90109890 20010425
     TW 523520
                       В
                            20030311
                                           US 2001-18971
     US 2003109736
                       A1
                            20030612
                                                             20011226
PRAI JP 2000-125777
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     JP 2000-125778
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     JP 2000-125779
                      20000426
     JP 2000-247140
                      20000817
     JP 2000-339664
                      20001107
     WO 2001-JP3423
                      20010420
              THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 27 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
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RN 371158-60-0 REGISTRY

CN Phosphoric acid, [(2R, 3aS, 4R, 5S, 7R, 7aS) -octahydro-4, 7-methano-1H-indene-2,5-diyl]bis(methylene) tetraphenyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C36 H38 O8 P2

SR

LCSTN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 135:344286 CA

TIPreparation of phosphoric acid triesters as flame retardants, plasticizers, or stabilizers

```
IN
     Onchi, Yoko; Takahashi, Ikuo
PΑ
     Daicel Chemical Industries, Ltd., Japan
     PCT Int. Appl., 86 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     Japanese
LA
FAN.CNT 1
     PATENT NO.
                     KIND DATE
                                         APPLICATION NO. DATE
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                                         WO 2001-JP3423
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                           20030122
     EP 1277758
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                                          TW 2001-90109890 20010425
                      В
                                       US 2001-18971
     US 2003109736
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PRAI JP 2000-125777
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RE.CNT 11
             THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 28 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
     371158-59-7 REGISTRY
RN
     Phosphoric acid, (octahydro-4,7-methano-1H-indene-2,5-diyl)bis(methylene)
CN
     tetraphenyl ester (9CI) (CA INDEX NAME)
FS
     3D CONCORD
     C36 H38 O8 P2
MF
SR
                 CA, CAPLUS, CASREACT, USPATFULL
LC
     STN Files:
     OPh
                                OPh
      O- CH2
                               – P— OPh
    0
                                0
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
REFERENCE 1
     135:344286 CA
AN
     Preparation of phosphoric acid triesters as flame retardants,
TI
     plasticizers, or stabilizers
     Onchi, Yoko; Takahashi, Ikuo
IN
     Daicel Chemical Industries, Ltd., Japan
PA
     PCT Int. Appl., 86 pp.
so
     CODEN: PIXXD2
DT
     Patent
LA
     Japanese
FAN.CNT 1
     PATENT NO.
                     KIND DATE
                                         APPLICATION NO. DATE
                     ----
                           -----
                                          -----
PΙ
                                         WO 2001-JP3423
     WO 2001081356
                     A1
                           20011101
                                                          20010420
         W: CN, JP, KR, US
```

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

PT, SE, TR

```
EP 1277758
                            20030122
                                          EP 2001-921971
                                                            20010420
                       A1
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI, CY, TR
                            20030311
                                           TW 2001-90109890 20010425
     TW 523520
                       В
     US 2003109736
                            20030612
                                           US 2001-18971
                                                            20011226
                       A1
PRAI JP 2000-125777
                      20000426
     JP 2000-125778
                      20000426
     JP 2000-125779
                      20000426
     JP 2000-247140
                      20000817
     JP 2000-339664
                      20001107
     WO 2001-JP3423
                      20010420
              THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 11
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 29 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
     331970-08-2 REGISTRY
RN
CN
     Phosphoric acid, [4-(hydroxymethyl)phenyl]methyl diphenyl ester (9CI) (CA
     INDEX NAME)
FS
     3D CONCORD
     C20 H19 O5 P
MF
SR
     CA
LC
     STN Files: CA, CAPLUS
                      OPh
но-сн2
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
REFERENCE 1
AN
     134:267014 CA
     Cross-linking of polystyrene by Friedel-Crafts chemistry: multifunctional
TI
     additives
ΑU
     Yao, Hongyang; Zhu, Jin; McKinney, Michael A.; Wilkie, Charles A.
CS
     Department of Chemistry, Marquette University, Milwaukee, WI, 53201, USA
     Journal of Vinyl & Additive Technology (2000), 6(4), 205-210
SO
     CODEN: JVATF4; ISSN: 1083-5601
PR
     Society of Plastics Engineers
DT
     Journal
     English
LA
RE.CNT 11
              THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
     ANSWER 30 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     328118-86-1 REGISTRY
CN
     Phosphorothioic acid, 0,0-diphenyl S-[(1,2,3,4-tetrahydro-1-methoxy-1-
     naphthalenyl) methyl] ester (9CI) (CA INDEX NAME)
FS
     3D CONCORD
MF
     C24 H25 O4 P S
```

SR

LC

CA

STN Files: CA, CAPLUS

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 134:214916 CA

- TI Negative-working photoimaging materials having acid-amplifying layers for presensitized lithographic plates
- IN Shimada, Kazuto; Kunita, Kazuto
- PA Fuji Photo Film Co., Ltd., Japan
- SO Jpn. Kokai Tokkyo Koho, 66 pp.
- CODEN: JKXXAF
- DT Patent
- LA Japanese

FAN.CNT 1

PΙ

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001060	004 A2	20010306	JP 1999-235452	19990823
T TO 1000 00	E 4 E 0 3 0 0 0 0	1000		

PRAI JP 1999-235452 19990823

REFERENCE 2

AN 134:200573 CA

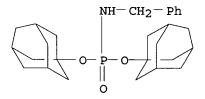
- TI Negative-working light- or heat-sensitive image recording materials
- IN Shimada, Kazuto; Kunida, Kazuto
- PA Fuji Photo Film Co., Ltd., Japan
- SO Jpn. Kokai Tokkyo Koho, 63 pp.
 - CODEN: JKXXAF
- DT Patent
- LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	JP 2001060006	A2	20010306	JP 1999-235451	19990823
	AT TO 1000 005451	10000	000		

PRAI JP 1999-235451 19990823

- L2 ANSWER 31 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 324036-82-0 REGISTRY
- CN Phosphoramidic acid, (phenylmethyl) -, bis(tricyclo[3.3.1.13,7]dec-1-yl)
 - ester (9CI) (CA INDEX NAME)
- FS 3D CONCORD
- MF C27 H38 N O3 P
- SR Chemical Library
- LC STN Files: CHEMCATS



L2 ANSWER 32 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 298191-88-5 REGISTRY

CN Phosphoramidic acid, (phenylmethyl)-, bis(4-methylphenyl) ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H22 N O3 P

SR Chemical Library

LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 33 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 250784-14-6 REGISTRY

CN Phosphoramidic acid, [(1R,2S,4R)-bicyclo[2.2.1]hept-5-en-2-ylmethyl]-, diphenyl ester, rel- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C20 H22 N O3 P

SR CA

LC STN Files: CA, CAPLUS

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 132:3397 CA

TI Stereochemical aspect of epoxidation of phosphonic amides from norbornane series

AU Kas'yan, A. O.; Tarabara, I. N.; Kas'yan, L. I.

CS Ukraine State Chemical Technology University, Dnepropetrovsk, Russia

SO Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(4), 626-627

CODEN: RJOCEQ; ISSN: 1070-4280
MAIK Nauka/Interperiodica Publishing

DT Journal

LA English

PB

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 34 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

```
RN 250784-13-5 REGISTRY
CN Phosphoramidic acid, [(1R,2R,4R)-bicyclo[2.2.1]hept-5-en-2-ylmethyl]-,
diphenyl ester, rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C20 H22 N O3 P
SR CA
LC STN Files: CA, CAPLUS, CASREACT
```

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 132:3397 CA

TI Stereochemical aspect of epoxidation of phosphonic amides from norbornane series

AU Kas'yan, A. O.; Tarabara, I. N.; Kas'yan, L. I.

CS Ukraine State Chemical Technology University, Dnepropetrovsk, Russia

SO Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(4), 626-627 CODEN: RJOCEQ; ISSN: 1070-4280

MAIK Nauka/Interperiodica Publishing

DT Journal

PΒ

LA English

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 35 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 233764-72-2 REGISTRY

CN myo-Inositol, 1,2:4,5-bis-O-(1-methylethylidene)-, 6-[bis(phenylmethyl) phosphate] 3-[6'-(hexyloxy)-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3'-yl phenylmethyl phosphate] (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C59 H62 O16 P2

SR CA

LC STN Files: CA, CAPLUS

Relative stereochemistry.

PAGE 2-A

//

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 131:127297 CA

- TI Synthesis of a new fluorogenic substrate for the continuous assay of mammalian phosphoinositide-specific phospholipase C
- AU Rukavishnikov, Aleksey V.; Zaikova, Tatiana O.; Birrell, G. Bruce; Keana, John F. W.; Griffith, O. Hayes
- CS Department of Chemistry, University of Oregon, Eugene, OR, 97403, USA
- SO Bioorganic & Medicinal Chemistry Letters (1999), 9(8), 1133-1136 CODEN: BMCLE8; ISSN: 0960-894X
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 36 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 225656-82-6 REGISTRY
- CN Phosphoric acid, (3,5-dimethoxyphenyl)methyl diphenyl ester (9CI) (CA INDEX NAME)
- FS 3D CONCORD
- MF C21 H21 O6 P
- SR CA
- LC STN Files: CA, CAPLUS

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 135:195756 CA
- TI Efficient Asymmetric Synthesis of Biologically Important Tryptophan Analogues via a Palladium-Mediated Heteroannulation Reaction
- All Ma, Chunrong; Liu, Xiaoxiang; Li, Xiaoyan; Flippen-Anderson, Judith; Yu,
- Shu; Cook, James M.
 CS 'Department of Chemistry, University of Wisconsin-Milwaukee, Milwaukee, WI, 53201, USA
- SO Journal of Organic Chemistry (2001), 66(13), 4525-4542 CODEN: JOCEAH; ISSN: 0022-3263
- PB American Chemical Society
- DT Journal
- LA English
- RE.CNT 96 THERE ARE 96 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

- AN 131:4927 CA
- TI Effect of the leaving group on the alkylation diastereoselectivity of the Schollkopf chiral auxiliary
- AU Ma, Chunrong; He, Xiaohui; Liu, Xiaoxiang; Yu, Shu; Zhao, Shuo; Cook, James M.
- CS Department of Chemistry, University of Wisconsin-Milwaukee, Milwaukee, WI, 53201, USA
- SO Tetrahedron Letters (1999), 40(15), 2917-2918 CODEN: TELEAY; ISSN: 0040-4039
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 37 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 219551-54-9 REGISTRY
- CN Olean-12-en-28-amide, 23-[(diphenoxyphosphinyl)oxy]-3-hydroxy-N-(2-methoxyethyl)-, (3.beta.,4.alpha.)- (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C45 H64 N O7 P
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

MF

SR

LC

CA

C24 H25 O5 P

STN Files: CA, CAPLUS, USPATFULL

```
AN
       130:95698 CA
       Triterpene derivatives and medicinal composition
ΤI
       Segawa, Jun; Matsuoka, Masato; Yoshifusa, Hiroto; Nakamura, Akio
IN
       Nippon Shinyaku Co., Ltd., Japan
PA
       PCT Int. Appl., 150 pp.
SO
       CODEN: PIXXD2
DT
       Patent
LΑ
       Japanese
FAN.CNT 1
       PATENT NO.
                               KIND DATE
                                                              APPLICATION NO.
                                                                                      DATE
                               ----
                                        -----
                                                              -----
                                                                                       _____
PΙ
       WO 9858946
                                A1
                                        19981230
                                                             WO 1998-JP2779
                                                                                       19980619
             W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
            W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
       AU 9880382
                                A1 19990104
                                                             AU 1998-80382
                                                                                       19980619
PRAI JP 1997-167484
                                19970624
       WO 1998-JP2779
                                19980619
                    THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 4
                    ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
       ANSWER 38 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
       208760-25-2 REGISTRY
RN
CN
       Phosphoric acid, diphenyl (1,2,3,4-tetrahydro-1-methoxy-1-
       naphthalenyl) methyl ester (9CI) (CA INDEX NAME)
FS
       3D CONCORD
```

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 132:94655 CA

TI Trisubstituted pyridine dyes

IN Marshall, John L.

PA Polaroid Corp., USA

SO U.S., 38 pp., Cont.-in-part of U. S. 5,914,213.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 6

L WIA .	CIAI	0								
	PA	TENT NO.	KIND	DATE		APPI	ICATION	1 ио	. DAT	ΓE
ΡI	US	6015907	A	2000	0118	US 1	997-979	375	199	971126
	US	6110638	A	2000	0829	US 1	996-757	7195	199	961127
	US	6004719	A	1999	1221	US 1	.997-858	3659	199	970519
	US	5914213	A	1999	0622	US 1	997-944	1284	199	971006
PRAI	US	1996-757195	19961	127						
	US	1997-858659	19970	519						
	US	1997-944284	19971	006						
	US	1994-232725	19940	425						
	US	1995-430420	19950	428						
RE C	חת	76 THERE	APE 76	משיידי	DEFEDENCES	7/1/7	TT.NRT.E	FOD	TUTO	DECODE

RE.CNT 76 THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 129:74063 CA

TI Process and composition for generating acid for imaging compositions

IN Grasshoff, Jurgen M.; Marshall, John L.; Minns, Richard A.; Ramos, Socorro
M.; Stroud, Stephen G.; Telfer, Stephen J.; Yang, Haixin; Boggs, Roger A.;
Kolb, Eric S.

PA Polaroid Corporation, USA; Grasshoff, Jurgen M.; Marshall, John L.; Minns, Richard A.; Ramos, Socorro M.; Stroud, Stephen G.; Telfer, Stephen J.; Yang, Haixin; Boggs, Roger A.; Kolb, Eric S.

SO PCT Int. Appl., 97 pp.

US 1994-232725

19940425

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 6

FAN.	CNT 6			
	PATENT NO.	KIND DATE	APPLICATION NO.	DATE
ΡI	WO 9824000	A1 19980604	WO 1997-US21856	19971126
	W: CA, JP,	US		
	RW: AT, BE,	CH, DE, DK, ES, FI,	FR, GB, GR, IE, IT	, LU, MC, NL, PT, SE
	US 6110638	A 20000829	US 1996-757195	19961127
	US 6004719	A 19991221	US 1997-858659	19970519
	US 5914213	A 19990622	US 1997-944284	19971006
	EP 951661	A1 19991027	EP 1997-947637	19971126
	R: DE, FR,	GB, IT, NL		
PRAI	US 1996-757195	19961127		
	US 1997-858659	19970519		
	US 1997-944284	19971006		

US 1995-430420 19950428 WO 1997-US21856 19971126

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 39 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 206869-99-0 REGISTRY

CN Benzoic acid, 4-[[[[4-[3-[(2,5-dioxo-1-pyrrolidinyl)oxy]-3-oxopropyl]phenyl]amino](phenylmethoxy)phosphinyl]oxy]-, phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C34 H31 N2 O9 P

SR CA

LC STN Files: CA, CAPLUS

PAGE 1-A

PAGE 2-A

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:321692 CA

- TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis
- AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.
- CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.
- SO Tetrahedron (1998), 54(17), 4223-4242

CODEN: TETRAB; ISSN: 0040-4020

- PB Elsevier Science Ltd.
- DT Journal
- LA English
- RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 40 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 206869-98-9 REGISTRY
- CN Benzenepropanoic acid, 4-[[(phenylmethoxy) [4-[(phenylmethoxy) carbonyl]phen oxy]phosphinyl]amino]-, 2-propenyl ester (9CI) (CA INDEX NAME)
- FS 3D CONCORD
- MF C33 H32 N O7 P
- SR CA
- LC STN Files: CA, CAPLUS

- **PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
 - 1 REFERENCES IN FILE CA (1907 TO DATE)
 - 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 128:321692 CA
- TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis
- AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.
- CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.
- SO Tetrahedron (1998), 54(17), 4223-4242 CODEN: TETRAB; ISSN: 0040-4020
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 41 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 206869-96-7 REGISTRY
- CN Benzenepropanoic acid, 4-[[(phenylmethoxy)[4-[(phenylmethoxy)carbonyl]phen oxy]phosphinyl]amino]-, 2-(trimethylsilyl)ethyl ester (9CI) (CA INDEX

NAME)

FS 3D CONCORD

MF C35 H40 N O7 P Si

SR CA

LC STN Files: CA, CAPLUS

PAGE 1-B

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:321692 CA

TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis

AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.

CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.

SO Tetrahedron (1998), 54(17), 4223-4242 CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 42 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 206869-86-5 REGISTRY

CN Phosphoramidic acid, methylphenyl-, phenyl phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H20 N O3 P

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:321692 CA

TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis

AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.

CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6,

SO Tetrahedron (1998), 54(17), 4223-4242 CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 43 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 206869-85-4 REGISTRY

CN Phosphoramidic acid, phenyl-, phenyl phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C19 H18 N O3 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:321692 CA

TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis

AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.

CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.

SO Tetrahedron (1998), 54(17), 4223-4242

CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 44 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 206869-84-3 REGISTRY

CN Benzoic acid, 4-[[(phenylamino) (phenylmethoxy)phosphinyl]oxy]-,
 phenylmethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C27 H24 N O5 P

SR CA

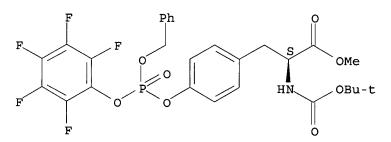
LC STN Files: CA, CAPLUS

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 128:321692 CA
- TI A general method for the synthesis of O-alkyl N,O'-arylphosphoramidates and its application to the synthesis of a transition state analog for carbamate hydrolysis
- AU Taylor, Scott D.; Chen, Mei-Jin; Dinaut, A. Nicole; Batey, Robert A.
- CS Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.
- SO Tetrahedron (1998), 54(17), 4223-4242 CODEN: TETRAB; ISSN: 0040-4020
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 45 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 205500-73-8 REGISTRY
- CN L-Tyrosine, N-[(1,1-dimethylethoxy)carbonyl]-, methyl ester, pentafluorophenyl phenylmethyl phosphate (ester) (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C28 H27 F5 N O8 P
- SR CA
- LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 128:270869 CA
- TI Phosphorylating reagents for solid-phase synthesis of phosphorylated peptides
- IN Gani, David; Hillier, Mark; Hormozdiari, Pantea
- PA University Court of the University of St. Andrews, UK; Gani, David;

```
Hillier, Mark; Hormozdiari, Pantea
SO
    PCT Int. Appl., 32 pp.
     CODEN: PIXXD2
DT
    Patent
    English
LA
FAN.CNT 1
                                         APPLICATION NO. DATE
     PATENT NO.
                     KIND DATE
                                          -----
                                                           -----
                           _____
PΙ
    WO 9812201
                     A1
                           19980326
                                          WO 1997-GB2592
                                                           19970923
        W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
            DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
            PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
            US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
            GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
            GN, ML, MR, NE, SN, TD, TG
                                          AU 1997-43139
                                                           19970923
    AU 9743139
                     A1 19980414
    EP 931085
                          19990728
                                          EP 1997-941117
                                                           19970923
                      A1
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
        R:
            IE, FI
PRAI GB 1996-19768
                     19960923
    WO 1997-GB2592
                     19970923
RE.CNT 7
             THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
    ANSWER 46 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
    205500-72-7 REGISTRY
RN
    Phosphoric acid, cyclohexyl pentafluorophenyl phenylmethyl ester (9CI)
CN
     (CA INDEX NAME)
     3D CONCORD
FS
    C19 H18 F5 O4 P
MF
SR
     CA
    STN Files:
LC
                 CA, CAPLUS
          0— СH2— Рh
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
REFERENCE 1
AN
     128:270869 CA
```

Phosphorylating reagents for solid-phase synthesis of phosphorylated

University Court of the University of St. Andrews, UK; Gani, David;

Gani, David; Hillier, Mark; Hormozdiari, Pantea

Hillier, Mark; Hormozdiari, Pantea

PCT Int. Appl., 32 pp.

ΤI

IN

PΑ

SO

peptides

CODEN: PIXXD2

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DT
     Patent
LA
     English
FAN.CNT 1
     PATENT NO.
                     KIND DATE
                                         APPLICATION NO. DATE
     --------
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                                          -----
                                                          ------
ΡI
     WO 9812201
                      A1
                           19980326
                                          WO 1997-GB2592
                                                           19970923
         W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
             US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
             GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
             GN, ML, MR, NE, SN, TD, TG
     AU 9743139
                      A1
                          19980414
                                          AU 1997-43139
                                                           19970923
     EP 931085
                      Α1
                           19990728
                                          EP 1997-941117
                                                           19970923
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
PRAI GB 1996-19768
                     19960923
     WO 1997-GB2592
                     19970923
             THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
    ANSWER 47 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
RN
     204507-09-5 REGISTRY
     Phosphoric acid, 2-(octahydro-10-methoxy-3,4-dimethyl-3,9a-(epoxymethano)-
CN
     9aH-1,2-benzodioxepin-9-yl)ethyl diphenyl ester,
     (3.alpha.,4.beta.,5a.beta.,9a.alpha.,10S*)- (9CI) (CA INDEX NAME)
FS
     STEREOSEARCH
MF
    C27 H35 O8 P
```

Relative stereochemistry.

STN Files:

SR

CA

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CA, CAPLUS

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 128:225672 CA

- TI Design, Synthesis, Derivatization, and Structure-Activity Relationships of Simplified, Tricyclic, 1,2,4-Trioxane Alcohol Analogs of the Antimalarial Artemisinin
- AU Cumming, Jared N.; Wang, Dasong; Park, Sheldon B.; Shapiro, Theresa A.; Posner, Gary H.
- CS Department of Chemistry School of Arts and Sciences, Johns Hopkins University, Baltimore, MD, 21218, USA
- SO Journal of Medicinal Chemistry (1998), 41(6), 952-964 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English

L2 ANSWER 48 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 202056-46-0 REGISTRY

CN Phosphoramidic acid, (phenylmethyl)-, bis(3-methylphenyl) ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H22 N O3 P

SR CAS Registry Services

LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 49 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 201996-90-9 REGISTRY

CN Phosphoramidic acid, (tricyclo[3.3.1.13,7]dec-1-ylmethyl)-, diphenyl ester (9CI) (CA INDEX NAME)

3D CONCORD

FS

MF C23 H28 N O3 P

SR CAS Registry Services

LC STN Files: CA, CAPLUS, CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 129:40769 CA

TI Amines and sulfonamides containing an adamantane fragment. Theoretical and experimental study

AU Kas'yan, A. O.; Okovityi, S. I.; Krasnovskaya, O. Yu.; Kas'yan, L. I.

CS Dnepropetrovsk State University, Dnepropetrovsk, 320625, Ukraine

SO Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1997), 33(7), 985-990 CODEN: RJOCEQ; ISSN: 1070-4280

PB MAIK Nauka/Interperiodica Publishing

DT Journal

LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 50 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 201350-17-6 REGISTRY

CN Phosphoramidic acid, (bicyclo[2.2.1]hept-5-en-2-ylmethyl)-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H22 N O3 P

CAS Registry Services SR LC STN Files: CHEMCATS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ANSWER 51 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

RN 188716-26-9 REGISTRY

CN Phosphoric acid, 1,4-phenylenebis(methylene) tetraphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C32 H28 O8 P2

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

$$\begin{array}{c|c} & \text{OPh} & \\ & \text{OPh}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN135:344286 CA

TIPreparation of phosphoric acid triesters as flame retardants, plasticizers, or stabilizers

IN Onchi, Yoko; Takahashi, Ikuo

PADaicel Chemical Industries, Ltd., Japan

20000426

SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DTPatent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE PΙ WO 2001081356 **A**1 20011101 WO 2001-JP3423 20010420 W: CN, JP, KR, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR EP 1277758 **A1** 20030122 EP 2001-921971 20010420 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, FI, CY, TR TW 523520 В 20030311 TW 2001-90109890 20010425

US 2001-18971

20011226

US 2003109736 **A1** 20030612 PRAI JP 2000-125777 20000426 JP 2000-125778

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JP 2000-125779
                 20000426
JP 2000-247140
                 20000817
JP 2000-339664
                 20001107
WO 2001-JP3423
                 20010420
```

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 11 ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 126:251242 CA

Preparation of 1,4-cyclohexanedimethanol bis(diaryl phosphate)s as flame TT

retardants for polymers IN Bright, Danielle A.

PA Akzo Nobel, Nv, Neth.

U.S., 2 pp. SO CODEN: USXXAM

Patent DТ

LΑ

English FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5616770	Α	19970401	US 1996-608266	19960228
	WO 9731925	A1	19970904	WO 1997-EP996	19970227
ΡI		A Al			

W: CA, JP

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE PRAI US 1996-608266 19960228

ANSWER 52 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

179030-35-4 REGISTRY RN

Phosphoric acid, 2-phenylethyl bis[4-(trifluoromethyl)phenyl] ester (9CI) CN (CA INDEX NAME)

OTHER NAMES:

2-Phenylethyl bis[p-(trifluoromethyl)phenyl] phosphate CN

FS 3D CONCORD

MF C22 H17 F6 O4 P

SR

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

 \mathbf{AN} 125:114760 CA

ΤI The .beta.-(Phosphatoxy)alkyl Radical Rearrangement. Rate Constants, Arrhenius Parameters, and Structure Activity Relationships

ΑU Crich, David; Jiao, Xian-Yun

CS Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061, USA

SO Journal of the American Chemical Society (1996), 118(28), 6666-6670 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DTJournal

LA English

L2ANSWER 53 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

179030-34-3 REGISTRY RN .

Phosphoric acid, bis(4-chlorophenyl) 2-phenylethyl ester (9CI) CN NAME)

OTHER NAMES:

Bis(p-chlorophenyl) 2-phenylethyl phosphate CN

3D CONCORD FS

C20 H17 Cl2 O4 P MF

SR CA

STN Files: CA, CAPLUS LÇ

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

125:114760 CA ΑN

The .beta.-(Phosphatoxy)alkyl Radical Rearrangement. Rate Constants, TI Arrhenius Parameters, and Structure Activity Relationships

Crich, David; Jiao, Xian-Yun ΑU

Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061, CS USA

Journal of the American Chemical Society (1996), 118(28), 6666-6670 SO CODEN: JACSAT; ISSN: 0002-7863

PΒ American Chemical Society

DTJournal

English LA

ANSWER 54 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

179030-33-2 REGISTRY RN

Phosphoric acid, bis(4-methoxyphenyl) 2-phenylethyl ester (9CI) (CA INDEX CNNAME)

OTHER NAMES:

Bis(p-methoxyphenyl) 2-phenylethyl phosphate CN

FS 3D CONCORD

MF C22 H23 O6 P

SR

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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AN 125:114760 CA
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TI The .beta.-(Phosphatoxy)alkyl Radical Rearrangement. Rate Constants,

Arrhenius Parameters, and Structure Activity Relationships Crich, David; Jiao, Xian-Yun

CS Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061,

SO Journal of the American Chemical Society (1996), 118(28), 6666-6670 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

ΑIJ

LA English

L2 ANSWER 55 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 179030-32-1 REGISTRY

CN Phosphoric acid, bis(4-methylphenyl) 2-phenylethyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bis (p-methylphenyl) 2-phenylethyl phosphate

FS 3D CONCORD

MF C22 H23 O4 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 125:114760 CA

TI The .beta.-(Phosphatoxy)alkyl Radical Rearrangement. Rate Constants, Arrhenius Parameters, and Structure Activity Relationships

AU Crich, David; Jiao, Xian-Yun

CS Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061, USA

SO Journal of the American Chemical Society (1996), 118(28), 6666-6670 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

L2 ANSWER 56 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 175231-65-9 REGISTRY

CN Phosphoramidic acid, [(1R,2S,4R,5R,6R)-3-oxatricyclo[3.2.1.02,4]oct-6-ylmethyl]-, diphenyl ester, rel- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphoramidic acid, (3-oxatricyclo[3.2.1.02,4]oct-6-ylmethyl)-, diphenyl ester, (1.alpha.,2.beta.,4.beta.,5.alpha.,6.alpha.)-

FS STEREOSEARCH

MF C20 H22 N O4 P

SR CA

LC STN Files: CA, CAPLUS

Relative stereochemistry.

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 132:3397 CA
- TI Stereochemical aspect of epoxidation of phosphonic amides from norbornane series
- AU Kas'yan, A. O.; Tarabara, I. N.; Kas'yan, L. I.
- CS Ukraine State Chemical Technology University, Dnepropetrovsk, Russia
- SO Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(4), 626-627 CODEN: RJOCEQ; ISSN: 1070-4280
- PB MAIK Nauka/Interperiodica Publishing
- DT Journal
- LA English
- RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

- AN 124:260718 CA
- TI Epoxide derivatives of N-(arylsulfonyl)bicyclo[2.2.1]hept-2-ene-exo-5-methylamines
- AU Kas'yan, L. I.; Kas'yan, A. O.; Gorb, L. G.; Klebanov, B. M.
- CS Dnepropetr. Gos. Univ., Ukraine
- SO Zhurnal Organicheskoi Khimii (1995), 31(5), 678-88 CODEN: ZORKAE; ISSN: 0514-7492
- PB Nauka
- DT Journal
- LA Russian
- L2 ANSWER 57 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 161772-18-5 REGISTRY
- CN Phosphoric acid, bis(2-methoxy-5-nitrophenyl) 2-(4-nitrophenyl)ethyl ester (9CI) (CA INDEX NAME)
- MF C22 H20 N3 O12 P
- SR CA
- LC STN Files: CA, CAPLUS

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ΑN 123:56035 CA

TI Phosphomonoesters and phosphodiesters derived from the photohydrolysis of 2-methoxy-5-nitrophenyl substituted phosphotriesters

ΑU Graciani, Nilsa R.; Swanson, Daniel S.; Kelley, Jeffery W.

CS Dep. Chem., Texas A and M Univ., College Station, TX, 77843-3255, USA so

Tetrahedron (1995), 51(4), 1077-86

CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier

DTJournal

English LA

L2ANSWER 58 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

160911-92-2 REGISTRY RN

CN Phosphoric acid, (1,4-dihydroxy-7-oxo-6-oxabicyclo[3.2.1]oct-3-yl)methyl diphenyl ester, [1S-(endo,endo)]- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C20 H21 O8 P

SR CA

LC

STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

122:127367 CA AN

- TI Inversion of an Asymmetric Center in Carbocyclic Inhibitors of 3-Dehydroquinate Synthase: Examining and Exploiting the Mechanism for syn-Elimination during Substrate Turnover
- AU Montchamp, Jean-Luc; Peng, Jirong; Frost, J. W.
- CS Department of Chemistry, Michigan State University, East Lansing, MI, 48824, USA
- SO Journal of Organic Chemistry (1994), 59(23), 6999-7007 CODEN: JOCEAH; ISSN: 0022-3263
- DT Journal
- LA English
- L2 ANSWER 59 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 160911-91-1 REGISTRY
- CN Cyclohexanecarboxylic acid, 1-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-3[[(diphenoxyphosphinyl)oxy]methyl]-4-hydroxy-5-[(phenylmethoxy)methoxy]-,
 methyl ester, [1S-(1.alpha.,3.alpha.,4.alpha.,5.beta.)]- (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C35 H47 O10 P Si
- SR CA
- LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 122:127367 CA
- TI Inversion of an Asymmetric Center in Carbocyclic Inhibitors of 3-Dehydroquinate Synthase: Examining and Exploiting the Mechanism for syn-Elimination during Substrate Turnover
- AU Montchamp, Jean-Luc; Peng, Jirong; Frost, J. W.
- CS Department of Chemistry, Michigan State University, East Lansing, MI, 48824, USA
- SO Journal of Organic Chemistry (1994), 59(23), 6999-7007 CODEN: JOCEAH; ISSN: 0022-3263
- DT Journal
- LA English
- L2 ANSWER 60 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 160706-08-1 REGISTRY
- CN Phosphoric acid, 2,5-dichlorophenyl 4-[[3-[(2,4-dinitrophenyl)thio]-1-oxopropyl]amino]phenyl (5,6,8,9,10,10a,11,12-octahydrobenzo[f]pyrrolo[2,1-a]isoquinolin-12-yl)methyl ester, (10a.alpha.,12.alpha.)- (9CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C38 H35 Cl2 N4 O9 P S
- SR CA
- LC STN Files: CA, CAPLUS

Relative stereochemistry.

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 122:106235 CA

TI Design and synthesis of transition-state analogs for a cationic cyclization

AU Bell, Ian M.; Abell, Chris; Leeper, Finian J.

CS Univ. Chem. Lab., Cambridge, CB2 1EW, UK

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1994), (14), 1997-2006 CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L2 ANSWER 61 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 160580-87-0 REGISTRY

CN Phosphoric acid, 2,5-dichlorophenyl 4-[[3-[(2,4-dinitrophenyl)thio]-1-oxopropyl]amino]phenyl (5,6,8,9,10,10a,11,12-octahydrobenzo[f]pyrrolo[2,1-a]isoquinolin-12-yl)methyl ester, (10a.alpha.,12.beta.)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

C38 H35 Cl2 N4 O9 P S

SR CA

MF

LC STN Files: CA, CAPLUS

Relative stereochemistry.

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 122:106235 CA

TI Design and synthesis of transition-state analogs for a cationic cyclization

AU Bell, Ian M.; Abell, Chris; Leeper, Finian J.

CS Univ. Chem. Lab., Cambridge, CB2 1EW, UK

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1994), (14), 1997-2006 CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L2 ANSWER 62 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 160369-99-3 REGISTRY

CN Phosphoric acid, (2-methylphenyl)methyl diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H19 O4 P

SR CAS Registry Services

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- L2 ANSWER 63 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 157660-26-9 REGISTRY
- CN Phosphoric acid, 2-(octahydro-10-methoxy-3-methyl-3,9a-(epoxymethano)-9aH-1,2-benzodioxepin-9-yl)ethyl diphenyl ester, [3R-

(3.alpha.,5a.beta.,9.alpha.,9a.alpha.,10S*)]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3,9a-(Epoxymethano)-9aH-1,2-benzodioxepin, phosphoric acid deriv.

FS STEREOSEARCH

MF C26 H33 O8 P

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 121:195015 CA

TI New, antimalarial, tricyclic 1,2,4-trioxanes: Evaluations in mice and monkeys

AU Posner, Gary H.; Oh, Chang H.; Webster, H. Kyle; Ager, Arba L. Jr.; Rossan, Richard N.

CS Dep. Chem., Johns Hopkins Univ., Baltimore, MD, USA

SO American Journal of Tropical Medicine and Hygiene (1994), 50(4), 522-6 CODEN: AJTHAB; ISSN: 0002-9637

DT Journal

LA English

L2 ANSWER 64 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 157659-85-3 REGISTRY

CN D-myo-Inositol, 2,3,4,5,6-pentakis-O-(phenylmethyl)-, 1,1'-(phenylmethyl phosphate) (9CI) (CA INDEX NAME)

MF C89 H89 O14 P

SR CA

LC STN Files: CA, CAPLUS

$$Ph-CH_{2}-O$$
 $Ph-CH_{2}-O$
 $O-R$
 $Ph-CH_{2}-O$
 $O-CH_{2}-Ph$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- ΑN 121:180042 CA
- Synthesis of LL-di-myo-inositol-1,1'-phosphate: a novel inositol phosphate TIfrom Pyrococcus woesei
- van Leeuwen, S. H.; van der Marel, G. A.; Hensel, R.; van Boom, J. H. Gorlaeus Lab., Leiden Inst. Chem., Leiden, 2300 RA, Neth. ΑU
- CS
- so Recueil des Travaux Chimiques des Pays-Bas (1994), 113(6), 335-6 CODEN: RTCPA3; ISSN: 0165-0513
- DT Journal
- English LA
- ANSWER 65 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2
- 157659-84-2 REGISTRY RN
- myo-Inositol, 1,2,4,5,6-pentakis-O-(phenylmethyl)-, 3,3'-(phenylmethyl CNphosphate) (9CI) (CA INDEX NAME)
- MF C89 H89 O14 P
- SR CA
- LC STN Files: CA, CAPLUS

$$Ph-CH_2-O$$
 $Ph-CH_2-O$
 $O-R$
 $Ph-CH_2-O$
 $O-CH_2-Ph$
 $O-CH_2-Ph$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 121:180042 CA
- ΤI Synthesis of LL-di-myo-inositol-1,1'-phosphate: a novel inositol phosphate from Pyrococcus woesei
- van Leeuwen, S. H.; van der Marel, G. A.; Hensel, R.; van Boom, J. H. Gorlaeus Lab., Leiden Inst. Chem., Leiden, 2300 RA, Neth. ΑU
- CS
- SO Recueil des Travaux Chimiques des Pays-Bas (1994), 113(6), 335-6 CODEN: RTCPA3; ISSN: 0165-0513
- DT Journal
- English LΑ
- ANSWER 66 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2
- 157598-32-8 REGISTRY RN
- CND-myo-Inositol, 1,2,4,5,6-pentakis-O-(phenylmethyl)-, 3,3'-(phenylmethyl
 - phosphate) (9CI) (CA INDEX NAME)
- ΜF C89 H89 O14 P
- SR CA
- LCSTN Files: CA, CAPLUS

$$Ph-CH_{2}-O$$
 $Ph-CH_{2}-O$
 $O-R$
 $Ph-CH_{2}-O$
 $O-CH_{2}-Ph$
 $O-CH_{2}-Ph$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 121:180042 CA
- TI Synthesis of LL-di-myo-inositol-1,1'-phosphate: a novel inositol phosphate from Pyrococcus woesei
- AU van Leeuwen, S. H.; van der Marel, G. A.; Hensel, R.; van Boom, J. H.
- CS Gorlaeus Lab., Leiden Inst. Chem., Leiden, 2300 RA, Neth.
- SO Recueil des Travaux Chimiques des Pays-Bas (1994), 113(6), 335-6 CODEN: RTCPA3; ISSN: 0165-0513
- DT Journal
- LA English
- L2 ANSWER 67 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 151120-95-5 REGISTRY
- CN Phosphoric acid, 2-[(3R,5aR,9S,9aR,10S)-octahydro-10-methoxy-3-methyl-3,9a-(epoxymethano)-9aH-1,2-benzodioxepin-9-yl]ethyl diphenyl ester, rel- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

- CN 3,9a-(Epoxymethano)-9aH-1,2-benzodioxepin, phosphoric acid deriv.
- CN Phosphoric acid, 2-(octahydro-10-methoxy-3-methyl-3,9a-(epoxymethano)-9aH-1,2-benzodioxepin-9-yl)ethyl diphenyl ester, (3.alpha.,5a.beta.,9.alpha.,9 a.alpha.,10S*)-
- FS STEREOSEARCH
- DR 141556-82-3
- MF C26 H33 O8 P
- SR CA
- LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL (*File contains numerically searchable property data)

Relative stereochemistry.

- 4 REFERENCES IN FILE CA (1907 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 136:160854 CA
- TI Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 6.
 The Development of Predictive In Vitro Potency Models Using COMFA and
 HQSAR Methodologies
- AU Avery, Mitchell A.; Alvim-Gaston, Maria; Rodrigues, Carlos R.; Barreiro, Eliezer J.; Cohen, Fred E.; Sabnis, Yogesh A.; Woolfrey, John R.
- CS Department of Medicinal Chemistry School of Pharmacy Thad Cochran National Center for Natural Products Research, University of Mississippi, MS, 38677, USA
- SO Journal of Medicinal Chemistry (2002), 45(2), 292-303 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English
- RE.CNT 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

- AN 128:225672 CA
- TI Design, Synthesis, Derivatization, and Structure-Activity Relationships of Simplified, Tricyclic, 1,2,4-Trioxane Alcohol Analogs of the Antimalarial Artemisinin
- AU Cumming, Jared N.; Wang, Dasong; Park, Sheldon B.; Shapiro, Theresa A.; Posner, Gary H.
- CS Department of Chemistry School of Arts and Sciences, Johns Hopkins University, Baltimore, MD, 21218, USA
- SO Journal of Medicinal Chemistry (1998), 41(6), 952-964 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English

REFERENCE 3

- AN 119:271438 CA
- TI Preparation of 1,2,4-trioxane compounds having antimalarial activity
- IN Posner, Gary; Oh, Chang H.
- PA Johns Hopkins University, USA
- SO U.S., 19 pp.
- CODEN: USXXAM
- DT Patent
- LA English
- FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 5225437	Α	19930706	US 1992-823960	19920123
	WO 9314756	A1	19930805	WO 1993-US9	19930107

W: CA, JP RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE PRAI US 1992-823960 19920123

REFERENCE 4

117:26822 CA AN

ΤI Extraordinarily potent antimalarial compounds: new, structurally simple,

easily synthesized, tricyclic 1,2,4-trioxanes.

Posner, Gary H.; Oh, Chang Ho; Gerena, Lucia; Milhous, Wilbur K. ΑU

Dep. Chem., Johns Hopkins Univ., Baltimore, MD, 21218, USA CS

Journal of Medicinal Chemistry (1992), 35(13), 2459-67

CODEN: JMCMAR; ISSN: 0022-2623

DTJournal

SO

English LA

L2ANSWER 68 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 148866-76-6 REGISTRY

CN Phosphorotrithioic acid, S,S-bis(4-ethenylphenyl) S-(phenylmethyl) ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C23 H21 O P S3

SR CA

LCSTN Files: CA, CAPLUS

$$S-CH_2-Ph$$
 $S-P-S$
 $H_2C=CH$
 $CH=CH_2$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN119:203628 CA

TI Preparation of phosphate esters as monomers for optical materials

IN Kazama, Hideki; Matsuoka, Shingo

PA Tokuyama Soda Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 39 pp.

CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE _ _ _ _ PΙ JP 04330083 A2 19921118 JP 1991-99244 19910430 PRAI JP 1991-99244 19910430

L2ANSWER 69 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

146733-40-6 REGISTRY RN

CN Phosphoric acid, diphenyl 2-phenylethyl-2-d ester (9CI) (CA INDEX NAME)

MF C20 H18 D O4 P

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 118:169204 CA
TI The .beta.-(phosphonooxy)alkyl radical rearrangement
AU Crich, David; Yao, Qingwei
CS Dep. Chem., Univ. Illinois, Chicago, IL, 60607-7061, USA
SO Journal of the American Chemical Society (1993), 115(3), 1165-6
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English

L2 ANSWER 70 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 143584-16-1 REGISTRY

CN Phosphoric acid, [3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C27 H33 O5 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 117:151079 CA
TI Organophosphorus antioxidants. XII. Synthesis and NMR spectroscopy of

organophosphorus antioxidants and related compounds

AU Koeniq, T.; Habicher, W. D.; Haehner, H.; Pionteck, J.; Rueger, C.;

AU Koenig, T.; Habicher, W. D.; Haehner, H.; Pionteck, J.; Rueger, C.; Schwetlick, K.

CS Inst. Org. Chem. Farbenchem., Tech. Univ., Dresden, Germany

SO Journal fuer Praktische Chemie/Chemiker-Zeitung (1992), 334(4), 333-49 CODEN: JPCCEM; ISSN: 0941-1216

DT Journal

LA German

2 ANSWER 71 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 142209-23-2 REGISTRY

CN Phosphoric acid, (2,6-dichlorophenyl) methyl diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2,6-Dichlorobenzyl diphenyl phosphate

FS 3D CONCORD

MF C19 H15 Cl2 O4 P

SR CA

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 117:37302 CA

TI Bond length and reactivity: structure of the diphenyl phosphate ester of 2,6-dichlorobenzyl alcohol

AU Jones, Peter G.; Kirby, Anthony J.; Parker, Jane K.

CS Inst. Anorg. Anal. Chem., Tech. Univ., Braunschweig, 3300, Germany

SO Acta Crystallographica, Section C: Crystal Structure Communications (1992), C48(5), 824-6

CODEN: ACSCEE; ISSN: 0108-2701 DT Journal

LA English

L2 ANSWER 72 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 141033-54-7 REGISTRY

CN Phosphoric acid, P,P'-1,2-cyclohexanediyl P,P'-bis[[2-(bromomethyl)phenyl]methyl] P,P'-dicyclohexyl ester (9CI) (CA INDEX NAME)

MF C34 H48 Br2 O8 P2

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Utilization of o-xylylene N,N-diethylphosphoramidite for the synthesis of phosphoric diesters Watanabe, Yutaka; Komoda, Yasunobu; Ozaki, Shoichiro ΑU Fac. Eng., Ehime Univ., Matsuyama, 790, Japan CS Tetrahedron Letters (1992), 33(10), 1313-16 so CODEN: TELEAY; ISSN: 0040-4039 DT Journal LA English ANSWER 73 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2141033-50-3 REGISTRY RNPhosphoric acid, [2-(bromomethyl)phenyl]methyl dicyclohexyl ester (9CI) CN(CA INDEX NAME) FS 3D CONCORD C20 H30 Br O4 P MF SR CA BEILSTEIN*, CA, CAPLUS STN Files: LC(*File contains numerically searchable property data)

116:235729 CA

116:235729 CA

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE) 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN

ΤI

AN

TI

phosphoric diesters Watanabe, Yutaka; Komoda, Yasunobu; Ozaki, Shoichiro ΑU Fac. Eng., Ehime Univ., Matsuyama, 790, Japan CS Tetrahedron Letters (1992), 33(10), 1313-16 SO CODEN: TELEAY; ISSN: 0040-4039 DT Journal LΑ English L2ANSWER 74 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN 138250-70-1 REGISTRY RNPhosphoric acid, (3-methoxyphenyl) methyl diphenyl ester (9CI) (CA INDEX CN NAME) 3D CONCORD FS C20 H19 O5 P MF SR CA LC STN Files: CA, CAPLUS

Utilization of o-xylylene N, N-diethylphosphoramidite for the synthesis of

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- · 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 116:41095 CA

TI Protection and deprotection of carboxylic acids, phosphoric acids, and sulfonic acids

IN Tsukada, Yoshihisa; Ono, Mitsunori

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI JP 03170440 A2 19910724 JP 1989-311556 19891130
PRAI JP 1989-311556 19891130

L2 ANSWER 75 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 127233-14-1 REGISTRY

CN Phosphoric acid, 4-[[(diphenoxyphosphinyl)oxy]methyl]-1,2-cyclohexanediyl tetraphenyl ester, (1.alpha.,2.beta.,4.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

CN Phosphoric acid, 4-[[(diphenoxyphosphinyl)oxy]methyl]-1,2-cyclohexanediyl tetraphenyl ester, (1.alpha.,2.beta.,4.beta.)-(.+-.)-

MF C43 H41 O12 P3

SR CA

LC STN Files: CA, CAPLUS, CASREACT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 113:6471 CA

TI Synthesis of affinity ligands and radioactive probes for isolation and study of myo-Inositol 1,4,5-trisphosphate binding proteins

AU Jina, Arvind N.; Ralph, John; Ballou, Clinton E.

CS Dep. Biochem., Univ. California, Berkeley, CA, 94720, USA

SO Biochemistry (1990), 29(21), 5203-9

CODEN: BICHAW; ISSN: 0006-2960

DT Journal

LA English

L2 ANSWER 76 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 126885-71-0 REGISTRY

CN Phosphoramidic acid, [2-(3-chloro-2-methylphenyl)ethyl]-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H21 Cl N O3 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 112:197814 CA

TI Preparation of 3-chloro-2-methylphenethylamines and analogs as herbicides

IN Hagen, Helmut; Pfister, Juergen; Wuerzer, Bruno; Meyer, Norbert

PA BASF A.-G., Fed. Rep. Ger.

SO Eur. Pat. Appl., 30 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI EP 340709 A1 19891108 EP 1989-107885 19890429

R: DE, FR, GB, IT

DE 3815046 A1 19891116 DE 1988-3815046 19880504

PRAI DE 1988-3815046 19880504

L2 ANSWER 77 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 124695-92-7 REGISTRY

CN Phosphoric acid, (4-methoxyphenyl) methyl bis(3-methylphenyl) ester (9CI)

(CA INDEX NAME)

FS 3D CONCORD

MF C22 H23 O5 P

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

112:78938 CA AN

Manufacture of electrically conductive polyacetylene films ΤI

Tanimoto, Fumio; Oomori, Fumihiro; Kitano, Hisao IN

PΑ Institute for Production and Development Science, Japan

Jpn. Kokai Tokkyo Koho, 9 pp. SO

CODEN: JKXXAF

DT Patent

Japanese T.A

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE . --------------JP 01136724 A2 19890530 JP 1987-296843 19871125 PΙ

PRAI JP 1987-296843 19871125

T₂ ANSWER 78 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

116953-97-0 REGISTRY RN

CN Phosphoric acid, bis(4-nitrophenyl) 4-(1-pyrenyl)butyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C32 H25 N2 O8 P

SR CA

CA, CAPLUS, TOXCENTER LC · STN Files:

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

ΑN 112:113921 CA

ΤI Aged and non-aged pyrenebutyl-containing organophosphoryl conjugates of chymotrypsin. Preparation and comparison by phosphorus-31 NMR spectroscopy

ΑU Grunwald, Jacob; Segall, Yoffi; Shirin, Ezra; Waysbort, Daniel; Steinberg, Nitza; Silman, Israel; Ashani, Yacov

CS Israel Inst. Biol. Res., Ness-Ziona, Israel

SO Biochemical Pharmacology (1989), 38(19), 3157-68 CODEN: BCPCA6; ISSN: 0006-2952

DT Journal

LA English

REFERENCE 2

AN110:71779 CA

Conformational differences between aged and nonaged pyrenebutyl-containing organophosphoryl conjugates of chymotrypsin as detected by optical spectroscopy

ΑU Steinberg, N.; Van der Drift, A. C. M.; Grunwald, J.; Segall, Y.; Shirin,

E.; Haas, E.; Ashani, Y.; Silman, I. CS Dep. Neurobiol., Weizmann Inst. Sci., Rehovot, Israel Biochemistry (1989), 28(3), 1248-53 so CODEN: BICHAW; ISSN: 0006-2960 DT Journal LA English L2ANSWER 79 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN RN 107849-79-6 REGISTRY Benzyl 1,2-cyclohexylene phenyl phosphate (7CI) (CA INDEX NAME) CN FS 3D CONCORD MF C32 H34 O8 P2 SR CAOLD STN Files: LCCAOLD

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 80 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN RN 106585-38-0 REGISTRY

CN Phosphoramidic acid, (azidoacetyl)(phenylmethyl)-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H19 N4 O4 P

SR CA

LC STN Files: CA, CAPLUS, CASREACT

$$\begin{array}{c} \text{PhO-P-OPh} \\ \text{Ph-CH}_2 - \text{N-C-CH}_2 - \text{N}_3 \\ \text{O} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 106:67388 CA

TI Synthesis and reactions of N-acylphosphoramides related to 4-oxo-1,3-diaza-2-phospholanes

Mulliez, Michel

CS Lab. Chim. Org. Biol., Univ. Paris-Sud, Orsay, 91405, Fr.

SO Bulletin de la Societe Chimique de France (1985), (6), 1211-18 CODEN: BSCFAS; ISSN: 0037-8968

CODEN: BSCFAS; ISSN: 003

DT Journal

ΑU

LA French

```
ANSWER 81 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L_2
RN
     106585-33-5 REGISTRY
     Phosphoramidic acid, (phenylmethyl) (trimethylsilyl) -, diphenyl ester (9CI)
CN
     (CA INDEX NAME)
FS
     3D CONCORD
MF
     C22 H26 N O3 P Si
SR
     CA
LC
     STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
         (*File contains numerically searchable property data)
    O SiMe3
       - N— CH<sub>2</sub> — Ph
    OPh
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
REFERENCE 1
AN
     106:67388 CA
     Synthesis and reactions of N-acylphosphoramides related to
TI
     4-oxo-1,3-diaza-2-phospholanes
ΑU
     Mulliez, Michel
     Lab. Chim. Org. Biol., Univ. Paris-Sud, Orsay, 91405, Fr.
CS
     Bulletin de la Societe Chimique de France (1985), (6), 1211-18
SO
     CODEN: BSCFAS; ISSN: 0037-8968
DT
     Journal
LA
     French
L_2
     ANSWER 82 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
     102315-92-4 REGISTRY
RN
     Phosphoric acid, p-methylbenzyl diphenyl ester (6CI) (CA INDEX NAME)
CN
FS
     3D CONCORD
MF
     C20 H19 O4 P
SR
     CAOLD
                  BEILSTEIN*, CAOLD
LC
     STN Files:
         (*File contains numerically searchable property data)
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
     ANSWER 83 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
1.2
RN
     101868-29-5 REGISTRY
     Phosphoric acid, p-bromobenzyl diphenyl ester (6CI) (CA INDEX NAME)
CN
FS
     3D CONCORD
MF
     C19 H16 Br O4 P
SR
     CAOLD
LC
     STN Files: BEILSTEIN*, CAOLD
         (*File contains numerically searchable property data)
```

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2ANSWER 84 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN101813-05-2 REGISTRY

CN Phosphoric acid, [(1,4,5,6,7,7-hexachloro-5-norbornen-2-yl)methyl]

diphenyl ester (7CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H15 Cl6 O4 P

SR CAOLD

LCSTN Files: CA, CAOLD, CAPLUS

$$\begin{array}{c|c} C1 & O \\ C1 & CH_2-O-P-OPh \\ C1 & OPh \\ C1 & C1 \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

AN 61:92468 CA

TIVinyl esters of alkylphosphinic acids

Organization of the State Committee for the Chemical Industry under the State Planning Committee of the Council of Ministers of the U.S.S.R.,

SO From: Byul. Izobret. i Tovarnykh Znakov 1964(13), 24..

DTPatent

LAUnavailable

> PATENT NO. KIND DATE APPLICATION NO. DATE -----------SU 163618 19640722 SU 19630506

REFERENCE 2

ΑN 61:92467 CA

TICompounds containing 1,4,5,6,7,7-hexachlorobicyclo[2.2.1]hepten-5-yl

Chemische Werke Huels A.-G. PΑ

SO 9 pp.

DT Patent

Unavailable

PATENT NO. KIND DATE APPLICATION NO. DATE ---------------

PΤ FR 1369587 19640814 FR

PRAI DE 19620717

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L2 ANSWER 85 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN RN 95894-99-8 REGISTRY
```

CN Phosphoramidic acid, [(4-chlorophenyl)methyl]pyrazinyl-, diphenyl ester (9CI) ·(CA INDEX NAME)

FS 3D CONCORD

MF C23 H19 Cl N3 O3 P

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 102:166947 CA

TI Pyrazine compounds and their use in combating undesired plant growth

IN Hopwood, William John

PA Shell Internationale Research Maatschappij B. V., Neth.

SO Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

FAIN	.CNT I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	EP 124155	A1	19841107	EP 1984-200439	19840326
	EP 124155	B1	19870603		
	R: AT, BE,	CH, DE,	, FR, GB, IT	, LI, LU, NL, SE	
	AT 27604	E	19870615	AT 1984-200439	19840326
	CA 1223260	A1	19870623	CA 1984-450475	19840326
	DK 8402089	Α	19841030	DK 1984-2089	19840426
	AU 8427261	A1	19841101	AU 1984-27261	19840426
	AU 563168	B2	19870702		
	JP 59206397	A2	19841122	JP 1984-83071	19840426
	JP 04055199	B4	19920902		
	BR 8401966	A	19841204	BR 1984-1966	19840426
	ZA 8403086	A	19850227	· ZA 1984-3086	19840426
PRA	I GB 1983-11775	198304	129		
	ED 1984-200439	198403	326		

EP 1984-200439 19840326

L2 ANSWER 86 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 94624-00~7 REGISTRY

CN Phosphoramidic acid, (p-isocyanatobenzyl)-, diphenyl ester (7CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H17 N2 O4 P

LC STN Files: CA, CAOLD, CAPLUS

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

ΑN 57:56032 CA

Isocyanatoaryl esters and amides of phosphoric and thiophosphoric acids ΤI

PAFarbenfabriken Bayer A.-G.

SO 4 pp.

DTPatent

LΑ Unavailable

> PATENT NO. KIND DATE APPLICATION NO. DATE _____ ----------GB 891654 19620314 GB

ΡI

PRAI DE 19580206

L2ANSWER 87 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN85672-49-7 REGISTRY

CNPhosphoric acid, 2-[1-(4-chlorophenyl)-5-isoquinolinyl]ethyl diphenyl

ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C29 H23 Cl N O4 P

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN98:198052 CA

1-Phenylisoquinolines

PA Teikoku Hormone Mfg. Co., Ltd., Japan

Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

Patent

Japanese LA

FAN.CNT 1

ΤI

DT

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 57203068	A2	19821213	JP 1981-86832	19810608
	JP 01018899	B4	19890407		
PRAI	JP 1981-86832	198106	608		
L2	ANSWER 88 OF 118	REGIS	STRY COPYRIGHT	2003 ACS on STN	
RN	83565-46-2 REGIS	STRY			
CN	Phosphoric acid,	(2-hy	droxycyclohexyl	methyl diphenyl e	ester, trans- (9CI)
	(CA INDEX NAME)				
FS	STEREOSEARCH				
MF	C19 H23 O5 P				

Relative stereochemistry.

STN Files:

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CA, CAPLUS

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN97:198467 CA TI Phosphorylated sugars. Part 23. Synthesis and reactions of phosphodiesters containing 2-aminoethanol and a polyfunctional alcohol and their behavior during acid- and base-catalyzed hydrolysis ΑU Trigalo, Francois; Szabo, Ladislas Cent. Etud. Pharm., Univ. Paris-Sud, Chatenay-Malabry, 92290, Fr. CS SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1982), (8), 1733-43 CODEN: JCPRB4; ISSN: 0300-922X DTJournal LA English L2ANSWER 89 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN RN 82159-44-2 REGISTRY CNPhosphorodiamidic acid, N-phenyl-N'-(phenylmethyl)-, phenyl ester (9CI) (CA INDEX NAME) OTHER CA INDEX NAMES: CNPhosphorodiamidic acid, N-benzyl-N'-phenyl-, phenyl ester (6CI) FS 3D CONCORD MF C19 H19 N2 O2 P LCSTN Files: BEILSTEIN*, CA, CAOLD, CAPLUS (*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

AN 97:23905 CA

TI Reaction of phenyl N-phenylphosphoramidoazidate with carboxylic acids and

amines

AU Arrieta, Ana; Palomo, Claudio

CS Lab. Quim. Org., Fac. Cienc. Quim., Alza, Spain

SO Bulletin de la Societe Chimique de France (1982), (1-2, Pt. 2), 7-11

CODEN: BSCFAS; ISSN: 0037-8968

DT Journal

LA English

REFERENCE 2

AN 55:111966 CA

TI Organic nitrogen-containing phosphorus compounds

IN Binder, Hans; Heinle, Rudolf

PA Rottweiler Kunstseidefabrik Akt.-Ges.

DT Patent

LA Unavailable

FAN.CNT 1

PΙ

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1084716		19600707	DE	
US 3127445		1964	US	

L2 ANSWER 90 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 77055-60-8 REGISTRY

CN Phosphoric acid, bis(4-nitrophenyl) 2-phenylethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H17 N2 O8 P

LC STN Files: CA, CAPLUS, CASREACT

$$\begin{array}{c|c} O-CH_2-CH_2-Ph \\ \hline \\ O-P-O \\ \hline \\ O \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 108:37944 CA

TI Structure-reactivity studies in phosphate triesters

AU Armstrong, Moira M.; Cocks, Sarah; Modro, Tomasz A.

CS Sch. Chem. Sci., Univ. Cape Town, Rondebosch, 7700, S. Afr.

South African Journal of Chemistry (1987), 40(1), 20-4

CODEN: SAJCDG; ISSN: 0379-4350

DT Journal

so

LA English

REFERENCE 2

AN 94:175104 CA

TI Phosphoric acid diesters

PA Nippon Chemiphar Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent LΆ Japanese FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE --------------PΙ JP 55130987 A2 19801011 JP 1979-37771 19790330 JP 62060387 B4 19871216

PRAI JP 1979-37771 19790330

L2 ANSWER 91 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 73752-07-5 REGISTRY

CN Phosphoric acid, [4-(bromomethyl)-2,6-dimethylphenyl]methyl bis[4-(1,1-dimethylethyl)phenyl] ester, tetrabromo deriv. (9CI) (CA INDEX NAME)

MF C30 H34 Br5 O4 P

CI IDS

LC STN Files: CA, CAPLUS

4 (D1-Br)

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 93:8758 CA

TI Porous PVC homo- or copolymers

IN Scheinhardt, Joerg; Klodt, Rolf Dieter; Kiermeyer, Ellen; Hamann, Bernd; Weissenborn, Klaus Dieter

PA VEB Chemische Werke Buna, Ger. Dem. Rep.

SO Ger. (East), 7 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI DD 138666 Z 19791114 DD 1978-207989 19780921

PRAI DD 1978-207989 19780921

L2 ANSWER 92 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 70769-89-0 REGISTRY

CN Phosphorodithioic acid, S,S-bis(4-methylphenyl) O-(2-phenylethyl) ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C22 H23 O2 P S2

LC STN Files: CA, CAPLUS, CASREACT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 91:39083 CA

TI The reaction of O-alkyl S,S-diaryl phosphorodithioates with

alkyloxystannanes

AU Watanabe, Yutaka; Mukaiyama, Teruaki

CS Fac. Sci., Univ. Tokyo, Tokyo, 113, Japan

SO Chemistry Letters (1979), (4), 389-90

CODEN: CMLTAG; ISSN: 0366-7022

DT Journal

LA English

L2 ANSWER 93 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 70769-88-9 REGISTRY

CN Phosphorodithioic acid, S,S-bis(4-chlorophenyl) O-(2-phenylethyl) ester

(9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H17 Cl2 O2 P S2

LC STN Files: CA, CAPLUS, CASREACT

$$\begin{array}{c|c} O-CH_2-CH_2-Ph \\ & \\ S-P-S \\ & \\ O \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 91:39083 CA

TI The reaction of O-alkyl S,S-diaryl phosphorodithioates with

alkyloxystannanes

AU Watanabe, Yutaka; Mukaiyama, Teruaki

CS Fac. Sci., Univ. Tokyo, Tokyo, 113, Japan

SO Chemistry Letters (1979), (4), 389-90

CODEN: CMLTAG; ISSN: 0366-7022

DT Journal

LA English

L2 ANSWER 94 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 70206-07-4 REGISTRY

CN Phosphoramidic acid, (phenylmethyl) [[(phenylmethyl)amino]thioxomethyl]-,

diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N, N'-Dibenzyl-N-(diphenylphosphoryl)thiourea

FS 3D CONCORD

MF C27 H25 N2 O3 P S

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER (*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 4 REFERENCES IN FILE CA (1907 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 105:153139 CA
- TI The application of simple-harmonic-oscillator calculations (HOSE-model) to crystallographically studied N-phosphoryl-N,N'-disubstituted thioureas
- AU Karolak-Wojciechowska, Janina
- CS Inst. Gen. Chem., Tech. Univ., Lodz, 90-362, Pol.
- SO Phosphorus and Sulfur and the Related Elements (1985), 25(2), 229-35 CODEN: PREEDF; ISSN: 0308-664X
- DT Journal
- LA English

REFERENCE 2

- AN 100:103460 CA
- TI Reaction of carbodiimides with phosphorothioic, phosphorodithioic, and phosphoroselenoic acids: products, intermediates, and steps
- AU Mikolajczyk, Marian; Kielbasinski, Piotr; Basinski, Wlodzimierz
- CS Cent. Mol. Macromol. Stud., Pol. Acad. Sci., Lodz, 90-362, Pol.
- SO Journal of Organic Chemistry (1984), 49(5), 899-908 CODEN: JOCEAH; ISSN: 0022-3263
- DT Journal
- LA English

REFERENCE 3

- AN 96:104518 CA
- TI N-Phosphorylated-N,N'-disubstituted thio- or selenoureas
- IN Mikolajczyk, Marian; Kielbasinski, Piotr
- PA Polska Akademia Nauk, Centrum badan Molekularnych i Makromolekularnych, Pol.
- SO Pol., 3 pp.
 - CODEN: POXXA7
- DT Patent
- LA Polish
- FAN.CNT 1

PATENT NO.	KIND I	DATE	APPLICATION NO.	DATE
		-		
PI PL 108330	B1 1	L9800430	PL 1977-197643	19770426
PRAI PL 1977-197643	1977042	26		

REFERENCE 4

- AN 90:195954 CA
- TI The crystal structure of N, N'-dibenzyl-N-diphenoxyphosphorylthiourea
- AU Karolak-Wojciechowska, Janina; Wieczorek, Michal; Mikolajczyk, Marian; Kielbasinski, Piotr; Struchkov, Yu. T.; Antipin, M. Yu.
- CS Inst. Gen. Chem., Tech. Univ. Lodz, Lodz, Pol.
- SO Acta Crystallographica, Section B: Structural Crystallography and Crystal Chemistry (1979), B35(4), 877-81

CODEN: ACBCAR; ISSN: 0567-7408

DT Journal

English LΑ

ANSWER 95 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

RN 68036-35-1 REGISTRY

Phosphoramidic acid, [(4-methoxyphenyl)methyl]-, diphenyl ester (9CI) (CA CNINDEX NAME)

FS 3D CONCORD

LC

MF C20 H20 N O4 P

STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

90:21849 CA AN

Phosphoric amides. 1. Phosphorus-nitrogen vs. nitrogen-carbon bond TΙ cleavage in acidic solvolysis of N-alkyl phosphoramidates and phosphinamidates

Modro, Tomasz A.; Lawry, Mary A.; Murphy, Elaine Dep. Chem., Univ. Toronto, Toronto, ON, Can. ΑU

CS

SO Journal of Organic Chemistry (1978), 43(26), 5000-6 CODEN: JOCEAH; ISSN: 0022-3263

DTJournal

English LA

L2ANSWER 96 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN68036-34-0 REGISTRY

CNPhosphoramidic acid, [(4-methylphenyl)methyl]-, diphenyl ester (9CI) INDEX NAME)

FS 3D CONCORD

MF C20 H20 N O3 P

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 101:23613 CA

```
Phosphoric amides. Part 7. Mass spectrometry of phosphoric amido esters:
TI
     fragmentation patterns and migratory aptitudes
     Davidowitz, Bette; Modro, Tomasz A.
ΑU
     Dep. Org. Chem., Univ. Cape Town, Rondebosch, S. Afr.
CS
     Organic Mass Spectrometry (1984), 19(3), 128-34
SO
     CODEN: ORMSBG; ISSN: 0030-493X
DT
     Journal
LΑ
     English
REFERENCE 2
AN
     90:21849 CA
     Phosphoric amides. 1. Phosphorus-nitrogen vs. nitrogen-carbon bond
TI
     cleavage in acidic solvolysis of N-alkyl phosphoramidates and
     phosphinamidates
     Modro, Tomasz A.; Lawry, Mary A.; Murphy, Elaine
ΑU
     Dep. Chem., Univ. Toronto, Toronto, ON, Can.
CS
     Journal of Organic Chemistry (1978), 43(26), 5000-6
so
     CODEN: JOCEAH; ISSN: 0022-3263
DT
     Journal
     English
LA
     ANSWER 97 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L2
     66910-78-9 REGISTRY
RN
     Phosphoric acid, diphenyl 2-phenylethyl ester (9CI) (CA INDEX NAME)
CN
OTHER NAMES:
     2-Phenylethyl diphenyl phosphate.
CN
     Diphenyl phenethyl phosphate
CN
FS
     3D CONCORD
     C20 H19 O4 P
MF
                  BEILSTEIN*, CA, CAPLUS, CASREACT
LC
     STN Files:
         (*File contains numerically searchable property data)
      - O- CH<sub>2</sub>- CH<sub>2</sub>- Ph
     OPh
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               8 REFERENCES IN FILE CA (1907 TO DATE)
               8 REFERENCES IN FILE CAPLUS (1907 TO DATE)
REFERENCE 1
AN
     137:185580 CA
     3-Phosphono-2-(N-cyanoimino)thiazolidine derivatives, new phosphorylating
     agents for alcohols
     Maezaki, Naoyoshi; Furusawa, Akemi; Hirose, Yuki; Uchida, Shuji; Tanaka,
ΑU
     Tetsuaki
```

TI

Osaka University, Graduate School of Pharmaceutical Sciences, Suita, CS Osaka, 565-0871, Japan

Tetrahedron (2002), 58(18), 3493-3498 SO CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DTJournal

English

THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 38 ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 132:136937 CA

TIDesign, synthesis, application and recovery of a minimally fluorous diaryl diselenide for the catalysis of stannane-mediated radical chain reactions

```
ΑU
     Crich, David; Hao, Xiaolin; Lucas, Mathew
     Department of Chemistry, University of Illinois at Chicago, Chicago, IL,
CS
     60607-7061, USA
     Tetrahedron (1999), 55(50), 14261-14268
SO
     CODEN: TETRAB; ISSN: 0040-4020
PB
     Elsevier Science Ltd.
DT
     Journal
LA
     English
RE.CNT 37
              THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
```

REFERENCE 3

AN 131:144161 CA

TI Inhibition of Stannane-Mediated Radical Rearrangements by a Recoverable, Minimally Fluorous Selenol

AU Crich, David; Hao, Xiaolin; Lucas, Mathew A.

CS Department of Chemistry, University of Illinois at Chicago, Chicago, IL, 60607-7061, USA

SO Organic Letters (1999), 1(2), 269-271 CODEN: ORLEF7; ISSN: 1523-7060

PB American Chemical Society

DT Journal

LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 4

AN 124:117422 CA

TI Chemistry of .beta.-(Phosphatoxy)alkyl and .beta.-(Acyloxy)alkyl Radicals.
Migration Reactions: Scope and Stereoselectivity of .beta.(Phosphatoxy)alkyl Rearrangement. Mechanism of .beta.-(Phosphatoxy)alkyl and .beta.-(Acyloxy)alkyl Migration

AU Crich, David; Yao, Qingwei; Filzen, G. Fredrick

CS Department of Chemistry, University of Illinois, Chicago, IL, 60607-7061, USA

SO Journal of the American Chemical Society (1995), 117(46), 11455-70 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

REFERENCE 5

AN 123:32340 CA

TI Inhibition of Rearrangements in Stannane-Mediated Radical Reduction Reactions by Catalytic Quantities of Diphenyl Diselenide. An Example of Polarity Reversal Catalysis

AU Crich, David; Yao, Qingwei

CS Department of Chemistry, University of Illinois at Chicago, Chicago, IL, 60607-7061, USA

SO Journal of Organic Chemistry (1995), 60(1), 84-8 CODEN: JOCEAH; ISSN: 0022-3263

PB American Chemical Society

DT Journal

LA English

REFERENCE 6

AN 118:169204 CA

TI The .beta.-(phosphonooxy)alkyl radical rearrangement

AU Crich, David; Yao, Qingwei

CS Dep. Chem., Univ. Illinois, Chicago, IL, 60607-7061, USA

SO Journal of the American Chemical Society (1993), 115(3), 1165-6 CODEN: JACSAT; ISSN: 0002-7863

DT Journal

LA English

```
REFERENCE 7
    93:150239 CA
AN
    Esterification of phosphoric acid by benzoxazole derivatives
ΤI
    Mukaiyama, Mitsuaki; Watanabe, Yutaka
IN
PA
    Nippon Chemiphar Co., Ltd., Japan
    Jpn. Kokai Tokkyo Koho, 2 pp.
SO
    CODEN: JKXXAF
DT
    Patent
LA
    Japanese
FAN.CNT 1
    PATENT NO.
                 KIND DATE
                                   APPLICATION NO. DATE
    -----
                                   -----
    JP 55038303
                  A2 19800317
                                    JP 1978-110239 19780909
PRAI JP 1978-110239 19780909
REFERENCE 8
```

AN 89:24202 CA
TI An efficient phosphorylaton method by the activation of alcohol
AU Watanabe, Yutaka; Mukaiyama, Teruaki
CS Fac. Sci., Univ. Tokyo, Tokyo, Japan
SO Chemistry Letters (1978), (4), 349-52
CODEN: CMLTAG; ISSN: 0366-7022

DT Journal LA English

L2 ANSWER 98 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 64643-57-8 REGISTRY

CN Phosphoramidic acid, [(phenylamino)thioxomethyl](phenylmethyl)-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C26 H23 N2 O3 P S

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 87:183677 CA
TI Direct observation, isolation, and structure of 1:1 adducts from carbodiimides and dialkylphosphorothio(seleno)ic acids
AU Mikolajczyk, Marian; Kielbasinski, Piotr; Goszczynska, Zofia
CS Cent. Mol. Macromol. Stud., Pol. Acad. Sci., Lodz, Pol.
SO Journal of Organic Chemistry (1977), 42(22), 3629-30
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L2 ANSWER 99 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 64108-81-2 REGISTRY

CN Phosphoric acid, bis(4-nitrophenyl) phenylmethyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphoric acid, benzyl bis(p-nitrophenyl) ester (6CI)

```
FS
     3D CONCORD
     C19 H15 N2 O8 P
MF
     STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT
LC
         (*File contains numerically searchable property data)
               0— СH<sub>2</sub>— Ph
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               3 REFERENCES IN FILE CA (1907 TO DATE)
               3 REFERENCES IN FILE CAPLUS (1907 TO DATE)
               1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
REFERENCE 1
AN
     108:37944 CA
TI
     Structure-reactivity studies in phosphate triesters
     Armstrong, Moira M.; Cocks, Sarah; Modro, Tomasz A.
AU.
     Sch. Chem. Sci., Univ. Cape Town, Rondebosch, 7700, S. Afr.
CS
SO
     South African Journal of Chemistry (1987), 40(1), 20-4
     CODEN: SAJCDG; ISSN: 0379-4350
DT
     Journal
     English
LA
REFERENCE 2
AN
     93:46099 CA
TΤ
     Transesterification of tris(p-nitrophenyl) phosphate with sodium
     alkoxides: bis(p-nitrophenyl) methyl phosphate, bis(p-nitrophenyl) benzyl
     phosphate, bis(p-nitrophenyl) n-butyl phosphate
     Berndt, Michael C.; Dudman, N. P. B.; Zerner, Burt
ΑU
CS
     Dep. Biochem., Univ. Queensland, St. Lucia, 4067, Australia
SO
     Phosphorus and Sulfur and the Related Elements (1979), 7(3), 225-7
     CODEN: PREEDF; ISSN: 0308-664X
DT
     Journal
LA
     English
REFERENCE 3
AN
     87:202032 CA
ΤI
     Phosphoric acid derivatives
IN
     Mukaiyama, Mitsuaki; Hashimoto, Mitsunori
PA
     Sankyo Co., Ltd., Japan
SO
     Jpn. Tokkyo Koho, 5 pp.
     CODEN: JAXXAD
DТ
     Patent
LA
     Japanese
FAN.CNT 1
     PATENT NO.
                      KIND DATE
                                           APPLICATION NO. DATE
     ------
                      ----
PΤ
     JP 52008289
                       B4
                            19770308
                                           JP 1970-64875
                                                             19700724
PRAI JP 1970-64875
                      19700724
     ANSWER 100 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
L_2
RN
     62955-06-0 REGISTRY
CN
     Phosphoric acid, 1,4-cyclohexanediylbis(methylene) tetracyclohexyl ester
     (9CI) (CA INDEX NAME)
OTHER NAMES:
     1,4-Cyclohexylenedimethylene bis(dicyclohexyl phosphate)
```

OTHER NAMES:

CN

Benzyl bis(p-nitrophenyl) phosphate

FS 3D CONCORD C32 H58 O8 P2 MF

CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL LCSTN Files:

$$\begin{array}{c|c} & & & \\ & & & \\$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

87:25818 CA ΑN

Improved hydraulic liquids TI

IN Heber, John F.

PA

Monsanto Co., USA Ger. Offen., 34 pp. SO

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2625878	A1	19761223	DE 1976-2625878	19760609
	US 4056480	Α	19771101	US 1975-585636	19750610
	NL 7606145	Α	19761214	NL 1976-6145	19760608
	JP 51149884	A2	19761223	JP 1976-66639	19760609
	FR 2314243	A1	19770107	FR 1976-17415	19760609
	GB 1532904	Α	19781122	GB 1976-23851	19760609
	AU 507315	B2	19800214	AU 1976-14748	19760609
PRAI	US 1975-585636	19750	610		

ANSWER 101 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN58245-68-4 REGISTRY

Phosphorodiamidic acid, N,N'-dimethyl-N,N'-diphenyl-, phenylmethyl ester CN(9CI) (CA INDEX NAME)

FS 3D CONCORD

MFC21 H23 N2 O2 P

LCSTN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 84:58805 CA

TI Organophosphorochloridates. Derivatives of N,N1-dialkyl-N,N1-diphenylphosphorodiamidic chlorides

AU Cremlyn, R. J. W.; Frearson, M. J.; Milnes, D.

CS Dep. Chem. Sci., Hatfield Polytech., Hatfield/Hertfordshire, UK

SO Phosphorus and the Related Group V Elements (1975), 6(1), 29-34

CODEN: PHUSBV; ISSN: 0369-9722

DT Journal

LA English

L2 ANSWER 102 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 54468-46-1 REGISTRY

CN Phosphoramidic acid, chloro(phenylmethyl)-, diphenyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C19 H17 Cl N O3 P

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 82:111546 CA

TI Methylenation of the nitrogen-halogen bond of positive halogen compounds

AU Orazi, Orfeo O.; Corral, Renee A.; Schuttenberg, Herman

CS Fac. Cienc. Exactas, Univ. Nac. La Plata, La Plata, Argent.

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1974), (18), 2087-91 CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L2 ANSWER 103 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 54468-10-9 REGISTRY

CN Propanedioic acid, (1,3-dihydro-1,3-dioxo-2H-isoindol-2- yl)[[(diphenoxyphosphinyl)(phenylmethyl)amino]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

MF C35 H33 N2 O9 P

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

1 REFERENCES IN FILE CA (1907 TO DATE) 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN82:111546 CA ΤI Methylenation of the nitrogen-halogen bond of positive halogen compounds ΑU Orazi, Orfeo O.; Corral, Renee A.; Schuttenberg, Herman Fac. Cienc. Exactas, Univ. Nac. La Plata, La Plata, Argent. CS Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1974), (18), 2087-91 CODEN: JCPRB4; ISSN: 0300-922X DTJournal LΑ English L2ANSWER 104 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN RN

36717-05-2 REGISTRY

CNPhosphorothioic acid, S-[[5-chloro-2-(ethylthio)phenyl]methyl] O,O-diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

O,O-Diphenyl S-(5-chloro-2-ethylthiobenzyl) thiophosphate CN

FS 3D CONCORD

MF C21 H20 Cl O3 P S2

LCSTN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 77:88015 CA

TΙ Reaction of esters and ester amides of thiophosphoric acid with substituted benzyl chlorides

ΑU Prokof'eva, A. F.; Mel'nikov, N. N.; Vladimirova, I. L.

CS Vses. Nauchno-Issled. Inst. Khim. Sredstv Zashch. Rast., USSR

SO Zhurnal Obshchei Khimii (1972), 42(4), 820-5

CODEN: ZOKHA4; ISSN: 0044-460X

DΤ Journal

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LA Russian
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L2 ANSWER 105 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 36717-04-1 REGISTRY

CN Phosphorothioic acid, S-[(4-methoxy-3-nitrophenyl)methyl] O,O-diphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 0,0-Diphenyl S-(4-methoxy-3-nitrobenzyl) thiophosphate

FS 3D CONCORD

MF C20 H18 N O6 P S

LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

$$\begin{array}{c|c} \text{CH}_2\text{-}\text{S-}\text{P-}\text{OPh} \\ \text{OPh} \\ \text{NO}_2 \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 77:88015 CA

TI Reaction of esters and ester amides of thiophosphoric acid with substituted benzyl chlorides

AU Prokof'eva, A. F.; Mel'nikov, N. N.; Vladimirova, I. L.

CS Vses. Nauchno-Issled. Inst. Khim. Sredstv Zashch. Rast., USSR

Zhurnal Obshchei Khimii (1972), 42(4), 820-5 CODEN: ZOKHA4; ISSN: 0044-460X

Journal

LA Russian

SO

DT

L2 ANSWER 106 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 33985-75-0 REGISTRY

CN Phosphoramidic acid, (phenylmethyl) -, diphenyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphoramidic acid, benzyl-, diphenyl ester (6CI, 8CI)

OTHER NAMES:

CN NSC 87424

FS 3D CONCORD

MF C19 H18 N O3 P

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, HODOC*, TOXCENTER

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1907 TO DATE)

16 REFERENCES IN FILE CAPLUS (1907 TO DATE)

2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1 133:18316 CA ΝA Halogen-free flame retardant compositions containing phosphoric acid Masuda, Takeshi; Morishita, Susumu; Kawada, Toshiko; Kano, Naoki ΙN PΑ Shikoku Chemicals Corp., Japan Jpn. Kokai Tokkyo Koho, 6 pp. SO CODEN: JKXXAF DT Patent Japanese LAFAN.CNT 1 PATENT NO. APPLICATION NO. DATE KIND DATE ----------PΙ JP 2000154277 A2 20000606 JP 1998-332994 19981124 PRAI JP 1998-264090 19980918 REFERENCE 2 106:67388 CA AN TISynthesis and reactions of N-acylphosphoramides related to 4-oxo-1,3-diaza-2-phospholanes Mulliez, Michel ΑU Lab. Chim. Org. Biol., Univ. Paris-Sud, Orsay, 91405, Fr. CS Bulletin de la Societe Chimique de France (1985), (6), 1211-18 SO CODEN: BSCFAS; ISSN: 0037-8968 DT Journal French LA REFERENCE 3 AN101:23613 CA Phosphoric amides. Part 7. Mass spectrometry of phosphoric amido esters: TI fragmentation patterns and migratory aptitudes Davidowitz, Bette; Modro, Tomasz A. ΑU Dep. Org. Chem., Univ. Cape Town, Rondebosch, S. Afr. CS Organic Mass Spectrometry (1984), 19(3), 128-34 SO CODEN: ORMSBG; ISSN: 0030-493X DТ Journal English LΑ REFERENCE 4 AN 100:139002 CA TIActivation of carboxyl groups by diphenyl 2-oxo-3-oxazolinylphosphonate. Facile preparation of versatile reagents, 3-acyl-2-oxazolones Kunieda, Takehisa; Higuchi, Tsunehiko; Abe, Yoshihiro; Hirobe, Masaaki ΑU Fac. Pharm. Sci., Univ. Tokyo, Tokyo, 113, Japan Tetrahedron (1983), 39(20), 3253-60 CS SO CODEN: TETRAB; ISSN: 0040-4020 DT Journal English LAREFERENCE 5 AN ΤI Chromatography of amidophosphoric acid derivatives ΑU Kasparek, Frantisek Fac. Nat. Sci., Palacky Univ., Olomouc, Czech. CS SO Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium (1982), 73 (Chem. 21), 11-16 CODEN: AUONAD; ISSN: 0472-9005 DTJournal LA English

REFERENCE 6

```
AN
     95:254 CA
     Diphenyl amidophosphates, their synthesis, determination of phosphorus,
ΤI
     and biological activity
     Roubinek, F.; Bedrnik, P.; Cech, M.; Danek, J.; Budesinsky, Z.
ΑU
     Vyzk. Ustav Farm. Biochem., Prague, Czech.
CS
     Cesko-Slovenska Farmacie (1980), 29(3-4), 90-4
SO
     CODEN: CKFRAY; ISSN: 0009-0530
DT
     Journal
     Czech
LA
REFERENCE 7
AN
     93:45468 CA
     Solvolysis of diphenyl amidophosphates in aqueous alcoholic media
TI
     Kasparek, Frantrisek; Mollin, Jiri
ΑU
     Inorg. Phys. Chem. Dep., Palacky Univ., Olomouc, 771 46, Czech.
CS
     Collection of Czechoslovak Chemical Communications (1980), 45(2), 386-96
SO
     CODEN: CCCCAK; ISSN: 0366-547X
DT
     Journal
     English
LA
REFERENCE 8
AN
     90:21849 CA
TI
     Phosphoric amides. 1. Phosphorus-nitrogen vs. nitrogen-carbon bond
     cleavage in acidic solvolysis of N-alkyl phosphoramidates and
     phosphinamidates
     Modro, Tomasz A.; Lawry, Mary A.; Murphy, Elaine
ΑU
     Dep. Chem., Univ. Toronto, Toronto, ON, Can.
CS
     Journal of Organic Chemistry (1978), 43(26), 5000-6
SO
     CODEN: JOCEAH; ISSN: 0022-3263
DT
     Journal
     English
LA
REFERENCE 9
AN
     86:154832 CA
TI
     Mechanism of alkali-catalyzed hydrolysis of diphenyl amidophosphates
ΑU
     Mollin, J.; Veverka, F.; Kasparek, F.
CS
     Palacky Univ., Olomouc, Czech.
SO
     Collection of Czechoslovak Chemical Communications (1976), 41(11), 3245-55
     CODEN: CCCCAK; ISSN: 0010-0765
DT
     Journal
     English
LA
REFERENCE 10
AN
     82:124968 CA
ΤI
     Alkaline hydrolysis of diphenyl N-alkyl(aryl)phosphoramidates
ΑU
     Kasparek, Frantisek
CS
     Prirodoved. Fak., Palackeho Univ., Olomouc, Czech.
SO
     Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium
     (1974), 45 (Chemica 14), 23-8
     CODEN: AUONAD; ISSN: 0472-9005
DΤ
     Journal
LΑ
     German
L2
     ANSWER 107 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
     33950-34-4 REGISTRY
CN
     Phosphoramidic acid, phenethyl-, diphenyl ester (8CI) (CA INDEX NAME)
FS
     3D CONCORD
MF
     C20 H20 N O3 P
LC
     STN Files: BEILSTEIN*, CA, CAPLUS
         (*File contains numerically searchable property data)
```

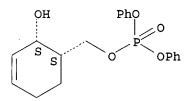
$$\begin{array}{c} \text{O} \\ \parallel \\ \text{PhO-P-NH-CH}_2\text{-CH}_2\text{-Ph} \\ \parallel \\ \text{OPh} \end{array}$$

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- 75:117724 CA
- Structure-reactivity correlation for the hydrolysis of phosphoramidate ΤI monoanions
- Benkovic, Stephen J.; Sampson, Eric J. ΑU
- Dep. Chem., Pennsylvania State Univ., University Park, PA, USA CS
- Journal of the American Chemical Society (1971), 93(16), 4009-16 SO CODEN: JACSAT; ISSN: 0002-7863
- DT Journal
- English LA
- ANSWER 108 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN33073-77-7 REGISTRY
- Phosphoric acid, (2-hydroxy-3-cyclohexen-1-yl) methyl diphenyl ester, cis-CN (8CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C19 H21 O5 P
- LC STN Files: CA, CAPLUS

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- ΑN 75:76219 CA
- TI Synthesis of some hydroxycyclohexylcarbinol phosphates and related compounds
- ΑU Chakraborti, S. K.
- Dep. Chemother., Chittaranjan Natl. Cancer Res. Cent., Calcutta, India CS
- Journal of the Indian Chemical Society (1971), 48(5), 475-82
- CODEN: JICSAH; ISSN: 0019-4522 DTJournal
- LA English
- ANSWER 109 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN33026-78-7 REGISTRY
- CN Phosphoric acid, cyclohexylmethyl diphenyl ester (8CI, 9CI) (CA INDEX NAME)
- FS 3D CONCORD
- ΜF C19 H23 O4 P
- LCSTN Files: BEILSTEIN*, CA, CAPLUS

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 87:151287 CA
- TI Organic reactions at alumina surfaces. A mechanistic and synthetic study of sulfonate ester elimination reactions effected by chromatographic alumina
- AU Posner, Gary H.; Gurria, George M.; Babiak, Kevin A.
- CS Dep. Chem., Johns Hopkins Univ., Baltimore, MD, USA
- SO Journal of Organic Chemistry (1977), 42(19), 3173-80
- CODEN: JOCEAH; ISSN: 0022-3263
- DT Journal
- LA English

REFERENCE 2

- AN 75:76219 CA
- TI Synthesis of some hydroxycyclohexylcarbinol phosphates and related compounds
- AU Chakraborti, S. K.
- CS Dep. Chemother., Chittaranjan Natl. Cancer Res. Cent., Calcutta, India
- SO Journal of the Indian Chemical Society (1971), 48(5), 475-82 CODEN: JICSAH; ISSN: 0019-4522
- DT Journal
- LA English
- L2 ANSWER 110 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
- RN 30765-17-4 REGISTRY
- CN Adenosine, 5'-(benzylphosphonoamino)-5'-deoxy-, bis(p-nitrophenyl) ester (8CI) (CA INDEX NAME)
- FS STEREOSEARCH
- MF C29 H27 N8 O10 P
- LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

Absolute stereochemistry.

```
1 REFERENCES IN FILE CA (1907 TO DATE)
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

75:152034 CA AN 5'-Amido analogs of adenosine 3',5'-cyclic monophosphate ΤI ΑU Jastorff, Bernd; Murayama, Akira; Cramer, Friedrich; Hettler, Hans Dep. Chem., Max-Planck-Inst. Exp. Med., Goettingen, Fed. Rep. Ger. CS Journal of Organic Chemistry (1971), 36(20), 3029-33 SO CODEN: JOCEAH; ISSN: 0022-3263 DT Journal English LA ANSWER 111 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

RN 21870-03-1 REGISTRY

Phosphoric acid, p-methoxybenzyl diphenyl ester (8CI) (CA INDEX NAME) CN OTHER CA INDEX NAMES:

Benzyl alcohol, p-methoxy-, diphenyl phosphate (8CI) CN

FS 3D CONCORD

MF C20 H19 O5 P

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN71:21145 CA Alkylation of mercaptans and inhibition of "SH enzymes" by saligenin TIcyclic phosphate and phosphorothiolate esters ΑU Ohkawa, Hideo; Eto, Morifusa

CS Kyushu Univ., Fukuoka, Japan

Agricultural and Biological Chemistry (1969), 33(3), 443-51 SO CODEN: ABCHA6; ISSN: 0002-1369

DTJournal

LAEnglish

ANSWER 112 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2

18350-95-3 REGISTRY RN

CNPhosphoramidic acid, (phenylmethyl) -, bis(2,6-dimethylphenyl) ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

2,6-Xylenol, N-benzylphosphoramidate (2:1) CN

CNPhosphoramidic acid, benzyl-, di-2,6-xylyl ester (8CI)

MFC23 H26 N O3 P

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT

(*File contains numerically searchable property data)

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

- AN 108:167600 CA
- ΤI Preparation of sterically hindered phosphoramidates
- ΑU Talley, John J.
- CS Res. Dev. Cent., Gen. Electr., Schenectady, NY, 12301, USA
- SO Journal of Chemical and Engineering Data (1988), 33(2), 221-2
- CODEN: JCEAAX; ISSN: 0021-9568
- DT Journal
- English LA

REFERENCE 2

- AN68:105299 CA
- TIStructural effects in reactions of organophosphorus compounds.
- Reactions of phosphorus oxychloride with hindered phenols
- Kosolapoff, Gennady M.; Arpke, Charles K.; Lamb, Robert W.; Reich, Hans Ff. J. Seiler Res. Lab. OAR, U. S. Air Force Acad., CO, USA ΑU
- CS
- Journal of the Chemical Society [Section] C: Organic (1968), (7), 815-18 SO CODEN: JSOOAX; ISSN: 0022-4952
- DTJournal
- LA English
- ANSWER 113 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2
- RN 14355-05-6 REGISTRY
- CN Phosphoramidic acid, ethyl[m-(trifluoromethyl)benzyl]-,
 - bis(.alpha.,.alpha.,.alpha.-trifluoro-m-tolyl) ester (8CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

- m-Cresol, .alpha.,.alpha.,.alpha.-trifluoro-, ethyl[m-CN
 - (trifluoromethyl)benzyl]phosphoramidate (2:1)
- FS 3D CONCORD
- MF C24 H19 F9 N O3 P
- LCSTN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB
 - (*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

```
69:35715 CA
AN
    N-Fluoroalkyl (and Fluoroalkylaryl) phosphoramidates
TΙ
    Blake, Edward S.; DeBrunner, Ralph E.; Webster, James A.
ΙN
    Monsanto Research Corp.
PΑ
    U.S., 7 pp.
SO
    CODEN: USXXAM
DТ
    Patent
T.A
    English
FAN.CNT 2
    PATENT NO.
                  KIND DATE
                                     APPLICATION NO. DATE
    -----
                                      -----
                   Α
    US 3369064
                        19680213
                                     US 1964-412990
                                                     19641123
PΙ
                                     BE 1965-672659 19651122
                        19660523
    BE 672659
                    Α
```

REFERENCE 2

AN 67:32458 CA

TI Phosphoramidates containing fluorine and functional fluids

IN DeBrunner, Ralph E.; Blake, Edward S.; Webster, James A.

19641123

PA Monsanto Co. SO Belg., 30 pp.

CODEN: BEXXAL

PRAI US 1964-412990

DT Patent

LA French

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO. DATE	2
					-
ΡI	BE 672659	Α	19660523	BE 1965-672659 1965	1122
	US 3369064	Α	19680213	US 1964-412990 1964	1123
PRA:	I US 1964-412990	19641	.123		

L2 ANSWER 114 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 13879-47-5 REGISTRY

CN Phosphorothioic acid, O,O-diphenyl S-(phenylmethyl) ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphorothioic acid, S-benzyl O,O-diphenyl ester (8CI)

OTHER NAMES:

CN O,O-Diphenyl S-benzyl phosphorothioate

O,O-Diphenyl S-benzyl thiophosphate

FS 3D CONCORD

MF C19 H17 O3 P S

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT (*File contains numerically searchable property data)

$$\begin{array}{c} \text{O} \\ \parallel \\ \text{PhO-} \\ \text{P-} \\ \text{S-} \\ \text{CH}_2 \text{-} \\ \text{Ph} \\ \\ \text{OPh} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 4 REFERENCES IN FILE CA (1907 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 103:71503 CA

TI 0,0-Diphenyl S-benzyl thiophosphate

IN Bliznyuk, N. K.; Klimova, T. A.; Protasova, L. D.; Bliznyuk, A. N.

```
All-Union Scientific-Research Institute of Phytopathology, USSR
PA
    U.S.S.R. From: Otkrytiya, Izobret. 1984, (48), 87.
SO
    CODEN: URXXAF
DT
    Patent
LA
    Russian
FAN.CNT 1
                                       APPLICATION NO. DATE
    PATENT NO.
                   KIND DATE
     _____
                                        -----
    SU 1131878
                                       SU 1983-3645385 19830505
                     A1
                          19841230
PΙ
PRAI SU 1983-3645385 19830505
REFERENCE 2
AN
    94:92640 CA
TI
    Phosphorothioate
    Ouchi Shinko Chemical Industrial Co., Ltd., Japan
PA
    Jpn. Kokai Tokkyo Koho, 10 pp.
SO
    CODEN: JKXXAF
DТ
    Patent
LA
    Japanese
FAN.CNT 1
                                        APPLICATION NO. DATE
    PATENT NO.
                    KIND DATE
                                        _____
     ______
                                                        -----
    JP 55128591
                     A2
                          19801004
                                        JP 1979-36194
                                                       19790329
PΙ
     JP 56043387
                     B4
                          19811012
PRAI JP 1979-36194
                    19790329
REFERENCE 3
AN
    91:80875 CA
ΤI
    Electrosynthesis of heteroatom-heteroatom bonds. 4. Direct
    cross-coupling of dialkyl (or diaryl) phosphites with disulfides by a
     sodium bromide promoted electrolytic procedure
    Torii, Sigeru; Tanaka, Hideo; Sayo, Noboru
ΑU
CS
    Sch. Eng., Okayama Univ., Okayama, 700, Japan
SO
    Journal of Organic Chemistry (1979), 44(16), 2938-41
    CODEN: JOCEAH; ISSN: 0022-3263
DT
    Journal
LΑ
    English
REFERENCE 4
AN
    66:115455 CA
    S-Benzyl monothiophosphates
IN
    Kado, Masaru; Maeda, Taizo; Sugiyama, Hironari
    Ihara Chemicals Co., Ltd.
SO
    Jpn. Tokkyo Koho, 3 pp.
    CODEN: JAXXAD
DT
    Patent.
LA
    Japanese
FAN.CNT 1
    PATENT NO.
                    KIND DATE
                                        APPLICATION NO. DATE
                    ----
                                         _____
PΙ
    JP 42001541
                     B4
                          19670125
                                        JP
                                                         19640319
    ANSWER 115 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN
RN
    10577-64-7 REGISTRY
CN
    Phosphoric acid, (4-nitrophenyl) methyl diphenyl ester (9CI) (CA INDEX
    NAME)
OTHER CA INDEX NAMES:
    Benzyl alcohol, p-nitro-, diphenyl phosphate
    Phosphoric acid, p-nitrobenzyl diphenyl ester (6CI, 7CI, 8CI)
OTHER NAMES:
CN
    Diphenyl 4-nitrobenzyl phosphate
FS
    3D CONCORD
MF
    C19 H16 N O6 P
LC
    STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
        (*File contains numerically searchable property data)
```

$$\begin{array}{c|c} \text{CH}_2\text{-}\text{O-}\overset{\text{O}}{\text{P-}}\text{OPh} \\ \text{OPh} \\ \end{array}$$

- 2 REFERENCES IN FILE CA (1907 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

AN 80:66128 CA

TI Electrochemical reduction of diphenyl 4-nitrobenzyl phosphate

AU Pak, Chong Min; Gulick, Wilson M., Jr.

CS Dep. Chem., Florida State Univ., Tallahassee, FL, USA

Electrochimica Acta (1973), 18(12), 1025-32

CODEN: ELCAAV; ISSN: 0013-4686

DT Journal

LA English

REFERENCE 2

AN 65:28992 CA

TI Examination of phosphorus hyperfine coupling constants in nitroaromatic anion radicals

AU Gulick, Wilsom M., Jr.; Geske, David H.

CS Cornell Univ., Ithaca, NY

SO Journal of the American Chemical Society (1966), 88(13), 2928-34

CODEN: JACSAT; ISSN: 0002-7863

DT Journal

LA English

L2 ANSWER 116 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 7761-68-4 REGISTRY

CN Phosphoramidic acid, [2-(3,4-dimethoxyphenyl)ethyl]-, diphenyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phosphoramidic acid, (3,4-dimethoxyphenethyl)-, diphenyl ester (8CI)

FS 3D CONCORD

MF C22 H24 N O5 P

LC STN Files: BEILSTEIN*, CA, CAPLUS, RTECS*

(*File contains numerically searchable property data)

$$\begin{array}{c|c} \text{CH}_2\text{--}\text{CH}_2\text{--}\text{NH} - \begin{array}{c|c} \text{O} \\ \parallel \\ \text{P--}\text{OPh} \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- L2 ANSWER 117 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN

RN 6040-87-5 REGISTRY
CN Phosphoric acid, bis(p-aminophenyl) benzyl ester (7CI, 8CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H19 N2 O4 P
LC STN Files: BEILSTEIN*, CAOLD
(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

ANSWER 118 OF 118 REGISTRY COPYRIGHT 2003 ACS on STN L2RN4218-62-6 REGISTRY Phosphoric acid, diphenyl phenylmethyl ester (9CI) (CA INDEX NAME) CN OTHER CA INDEX NAMES: Benzyl phenyl phosphate ((C7H7O)(PhO)2PO) (6CI, 7CI) Phosphoric acid, benzyl diphenyl ester (8CI) CNOTHER NAMES: O-Benzyl O, O-diphenyl phosphate CN FS 3D CONCORD MFC19 H17 O4 P LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX, TOXCENTER

(*File contains numerically searchable property data)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 11 REFERENCES IN FILE CA (1907 TO DATE)
- 11 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

AN 139:117481 CA

TI An Improved Method for Lewis Acid Catalyzed Phosphoryl Transfer with Ti(t-BuO)4

AU Jones, Simon; Selitsianos, Dimitrios; Thompson, Kate J.; Toms, Steven M. CS School of Natural Sciences-Chemistry, University of Newcastle upon Tyne,

Newcastle upon Tyne, NE1 7RU, UK

SO Journal of Organic Chemistry (2003), 68(13), 5211-5216 CODEN: JOCEAH; ISSN: 0022-3263

PB American Chemical Society

DT Journal

LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

```
AN
     137:384913 CA
     A Simple and Effective Method for Phosphoryl Transfer Using TiCl4
ΤI
     Catalysis
     Jones, Simon; Selitsianos, Dimitrios
ΑU
     Department of Chemistry, University of Newcastle upon Tyne Bedson
CS
     Building, Newcastle upon Tyne, NE1 7RU, UK
     Organic Letters (2002), 4(21), 3671-3673
SO
     CODEN: ORLEF7; ISSN: 1523-7060
PΒ
     American Chemical Society
DT
     Journal
     English
LA
RE.CNT 10
              THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
REFERENCE 3
     121:133265 CA
ΑN
     Direct transformation of trialkyl phosphates into organolithium compounds
TI
     by a DTBB-catalyzed lithiation
ΑU
     Guijarro, David; Mancheno, Balbino; Yus, Miguel
CS
     Dep. Quimica Org., Univ. Alicante, Alicante, 03080, Spain
SO
     Tetrahedron (1994), 50(28), 8551-8
     CODEN: TETRAB; ISSN: 0040-4020
DT
     Journal
     English
LA
REFERENCE 4
AN
     119:138482 CA
TI
     Unprecedented .gamma.-selective nucleophilic substitution reaction of
     allylmetal reagents: a new cross-coupling of diphenyl phosphates with
     allylic Grignard reagents
ΑU
     Yanagisawa, A.; Hibino, H.; Nomura, N.; Yamamoto, H.
     Sch. Eng., Nagoya Univ., Nagoya, Japan
CS
SO
     Journal of the American Chemical Society (1993), 115(13), 5879-80
     CODEN: JACSAT; ISSN: 0002-7863
DТ
     Journal
LA
     English
REFERENCE 5
AN
     87:21957 CA
ΤI
     Capture reactions of short-lived radicals. XVI. Reactions of
     trimethylstannyl and trimethylsilyl radicals with tetraphenyldiphosphine,
     phosphorus esters and per esters
ΑU
     Avar, Geza; Neumann, Wilhelm P.
     Univ. Dortmund, Dortmund, Fed. Rep. Ger.
CS
SO
     Journal of Organometallic Chemistry (1977), 131(2), 207-14
     CODEN: JORCAI; ISSN: 0022-328X
DT
     Journal
LΑ
     German
REFERENCE 6
ΑN
     71:21145 CA
ΤI
     Alkylation of mercaptans and inhibition of "SH enzymes" by saligenin
     cyclic phosphate and phosphorothiolate esters
ΑU
     Ohkawa, Hideo; Eto, Morifusa
     Kyushu Univ., Fukuoka, Japan
CS
     Agricultural and Biological Chemistry (1969), 33(3), 443-51
SO
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